SITE NUMBER: SBSB27 (CLU1433)
SITE NAME: COTTAGE HOSPITAL

at&t

PROJECT: LTE-3C/4C/5C/6C/4T4R/WCS FILTER
SITE TYPE: ROOFTOP
SITE ADDRESS: 400 WEST PUEBLO ST.
SANTA BARBARA, CA 93105
DISTRICT / ZONE: 1D
LTE-3C PACE#: MRLOS033852 / PA#: 3553A07AHR
LTE-4C PACE#: MRLOS052066 / PA#: 3553A0J305
LTE-5C PACE#: MRLOS052136 / PA#: 3553A0J2S8
LTE-6C PACE#: MRLOS052191 / PA#: 3553A0J2TZ
4T4R PACE#: MRLOS033257 / PA#: 3553A07A42
4T4R PACE#: MRLOS052185 / PA#: 3553A0J2L2
WCS FILTER PACE#: MRLOS067843 / PA#: 3553A0SWVD

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. 2019 CALIFORNIA ADMINISTRATIVE CODE
2. 2019 CALIFORNIA BUILDING CODE
3. 2019 CALIFORNIA ELECTRIC CODE
4. 2019 CALIFORNIA MECHANICAL CODE
5. 2019 CALIFORNIA PLUMBING CODE
6. 2019 CALIFORNIA FIRE CODE
7. ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE
8. CITY/COUNTY ORDINANCES

ADA COMPLIANCE:

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, AND IS EXEMPTED FROM ACCESSIBILITY REQUIREMENTS IN ACCORDANCE WITH 2019 CALIFORNIA BUILDING CODE SECTION 11B-203.5.

CODE COMPLIANCE

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS NEW.

GENERAL NOTES

DIGALERT
DIAL BEFORE YOU DIG
TWO WORKING DAYS BEFORE YOU DIG
TOLL FREE 1-800-227-2600
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

PROPERTY OWNER:	SANTA BARBARA COTTAGE HOSPITAL 400 WEST PUEBLE ST. SANTA BARBARA, CA 93105 PHONE: 805-628-7111
APPLICANT:	AT&T 1452 EDINGER AVENUE, 3RD FLOOR TUSTIN, CA 92780
LATITUDE (NAD 83):	34° 25' 50.1594" N
LONGITUDE (NAD 83):	119° 43' 18.84" W
GROUND ELEVATION (NAVD 88):	±156' AMSL
APN:	025-100-001
ZONING JURISDICTION:	CITY OF SANTA BARBARA
CURRENT ZONING:	C-O (MEDICAL OFFICE)
BUILDING CONSTRUCTION TYPE:	TYPE I-A
NUMBER OF BUILDING STORIES:	6
OCCUPANCY TYPE:	I-2
YEAR OF CONSTRUCTION:	1967
LEASE AREA:	±170' (SF)
CELL SITE CONSTRUCTION TYPE:	V-A

SITE INFORMATION

PROJECT MANAGER:
AT&T
1452 EDINGER AVE.
TUSTIN, CA 92780
CONTACT: RYAN YOUNG
PHONE: (714) 488-4029
EMAIL: ry456p@att.com

ENGINEER:
EUKON GROUP
65 POST, SUITE 1000
IRVINE, CA 92618
CONTACT: JEFF JACOBS
PHONE: (949) 553-8566
EMAIL: jeff.jacobs@eukongroup.com

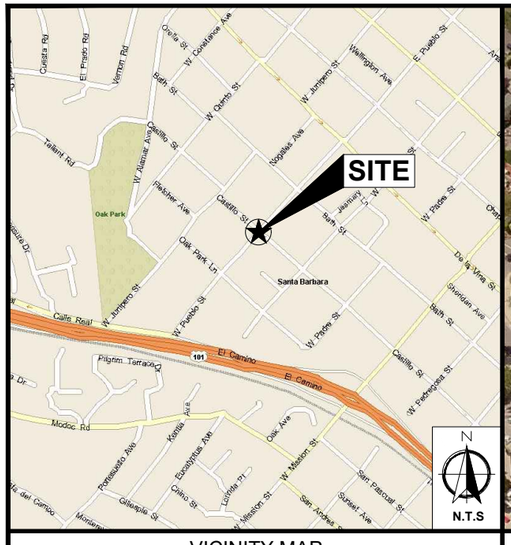
LEASING:
EUKON GROUP
65 POST, SUITE 1000
IRVINE, CA 92618
CONTACT: SAMANTHA KAFOVALU
EMAIL: samantha.kafovalu@eukongroup.com

ZONING:
EUKON GROUP
65 POST, SUITE 1000
IRVINE, CA 92618
CONTACT: SAMANTHA KAFOVALU
EMAIL: samantha.kafovalu@eukongroup.com

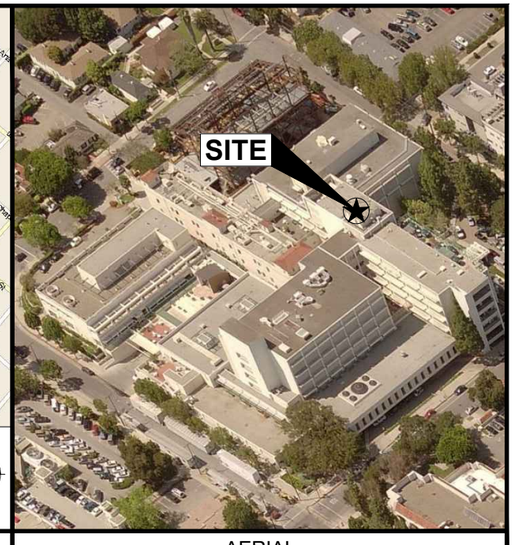
RF ENGINEER:
AT&T
1452 EDINGER AVE.
TUSTIN, CA 92780
CONTACT: MUHAMMAD UMAIR
PHONE: (405) 334-3693
EMAIL: mu3198@att.com

CONSTRUCTION:
BECHTEL
1680B ARMSTRONG AVE STE 225
IRVINE, CA 92606
CONTACT: DUSTIN J JOHNSTON
PHONE: (949) 266-7997
EMAIL: djjohnst@bechtel.com

PROJECT TEAM



VICINITY MAP



AERIAL

DIRECTIONS FROM AT&T OFFICE: HEAD NORTHEAST. TURN LEFT TOWARD AT&T. TURN RIGHT ONTO AT&T. TURN LEFT ONTO EDINGER AVE. USE THE LEFT 2 LANES TO TURN LEFT ONTO DEL AMO AVE. USE THE RIGHT 2 LANES TO TAKE THE RAMP ONTO CA-55 N. MERGE ONTO CA-55 N. USE THE RIGHT 2 LANES TO TAKE EXIT 10B TO MERGE ONTO I-5 N TOWARD SANTA ANA. KEEP RIGHT AT THE FORK TO STAY ON I-5. KEEP LEFT AT THE FORK TO CONTINUE ON US-101 N, FOLLOW SIGNS FOR LOS ANGELES N/CIVIC CENTER. KEEP RIGHT AT THE FORK TO STAY ON US-101 N, FOLLOW SIGNS FOR VENTURA/VENTURA FWY. TAKE EXIT 99B FOR PUEBLE ST. TURN RIGHT ONTO W PUEBLO ST. TURN LEFT ONTO BATH ST. ARRIVE AT 400 WEST PUEBLE ST. SANTA BARBARA, CA 93105 ON THE LEFT.

DRIVING DIRECTIONS

IF USING 11"X17" PLOT, DRAWINGS WILL BE HALF SCALE

CONSTRUCTION DRAWING

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT & MAY IMPOSE CHANGES OR MODIFICATIONS.

APPROVED BY:	INITIALS:	DATE:
AT&T RF ENGINEER:		
AT&T OPERATIONS:		
SITE ACQUISITION MANAGER:		
PROJECT MANAGER:		
ZONING VENDOR:		
LEASING VENDOR:		
CONSTRUCTION MANAGER:		
A/E MANAGER:		
PROPERTY OWNER:		

APPROVALS

AT&T PROPOSES TO MODIFY AN EXISTING WIRELESS INSTALLATION. THE SCOPE WILL CONSIST OF THE FOLLOWING:

- REMOVE AND REPLACE (13) EXISTING PANEL ANTENNAS WITH (13) NEW PANEL ANTENNAS AT EXISTING PENTHOUSE
- REMOVE ALL EXISTING TMA AT EXISTING PENTHOUSE
- REMOVE (6) RRU AT EXISTING ROOFTOP
- REMOVE ALL EXISTING DIPLEXERS AT EXISTING ROOFTOP
- REMOVE (1) EXISTING SUNWEST CABINETS AT EXISTING ROOFTOP
- INSTALL (16) NEW TMA AT EXISTING PENTHOUSE
- INSTALL (4) NEW FRP SCREEN BOXES AT EXISTING PENTHOUSE
- INSTALL (16) NEW RRU AT EXISTING ROOFTOP
- INSTALL (16) NEW TRIPLEXERS AT EXISTING ROOFTOP
- INSTALL (1) NEW DC12 SURGE SUPPRESSOR AT EXISTING ROOFTOP
- INSTALL (1) NEW WCS FILTER AT EXISTING ROOFTOP
- INSTALL (1) NEW POWER PLANT WITH (12) RECTIFIERS, (3) CONVERTERS, AND (12) BATTERIES AT EXISTING ROOFTOP
- INSTALL (1) NEW BATTERY CABINET WITH (12) BATTERIES AT EXISTING ROOFTOP
- INSTALL (3) NEW BBU 6630 AT EXISTING ROOFTOP

PROJECT DESCRIPTION

SHEET INDEX

SUBCONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

DO NOT SCALE DRAWINGS

APPLICANT:

The new at&t

1452 EDINGER AVENUE,
3RD FLOOR
TUSTIN, CA 92780

ENGINEER:

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

DRAWN BY:	BW
CHECKED BY:	BW

REVISIONS:

REV	DATE	DESCRIPTION
1	01/17/20	WCS FILTER
0	08/12/19	100% CONSTRUCTION DRAWING

LICENSER:

AGENCY APPROVAL:

OSHPD #:

PROJECT INFORMATION:

SBSB27 (CLU1433)
COTTAGE HOSPITAL
400 W. PUEBLO ST.
SANTA BARBARA, CA 93105

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1

NEW ANTENNA
EXISTING ANTENNA
GROUND ROD
GROUND BUS BAR
MECHANICAL GRND. CONN.
CADWELD
GROUND ACCESS WELL
ELECTRIC BOX
TELEPHONE BOX
LIGHT POLE
FND. MONUMENT
SPOT ELEVATION
SET POINT
REVISION
GRID REFERENCE
DETAIL REFERENCE
ELEVATION REFERENCE
SECTION REFERENCE

GROUT OR PLASTER
(E) BRICK
(E) MASONRY
CONCRETE
EARTH
GRAVEL
PLYWOOD
SAND
WOOD CONT.
WOOD BLOCKING
STEEL
CENTERLINE
PROPERTY/LEASE LINE
MATCH LINE
WORK POINT
GROUND CONDUCTOR
COAXIAL CABLE
OVERHEAD SERVICE CONDUCTORS
CHAIN LINK FENCING
OVERHEAD TELEPHONE/OVERHEAD POWER
OVERHEAD TELEPHONE LINE
OVERHEAD POWER LINE
POWER RUN
FIBER/POWER RUN

TELCO RUN
POWER/TELCO RUN
GROUNDING CONDUCTOR
GROUNDING CONDUCTOR
CONDUIT UNDERGROUND
FUSE, SIZE AND TYPE AS INDICATED.
SAFETY SWITCH, 2P-240V-60A W/60A FUSES, NEMA 3R ENCLOSURE, SQ D CATALOG NO. H222NRB
MANUAL TRANSFER SWITCH, 2P-240V-200A, NO FUSE, NEMA 3R ENCLOSURE
LIGHTING FIXTURE, FLUORESCENT, 10.94" x 4'-0", 2/40W, SURFACE MOUNTING TYPE, HUBBELL LIGHTING CATALOG #WSW232T
LIGHTING FIXTURE, FLUORESCENT, 10.94" x 8'-0", 2/95W, SURFACE MOUNTING TYPE, HUBBELL LIGHTING CATALOG #TWSM232T
LIGHTING FIXTURE, HIGH PRESSURE SODIUM, 1/70W, WALL MOUNTING TYPE, HUBBELL LIGHTING CATALOG #NRG-307 OR 1/50W, HUBBELL LIGHTING CATALOG #NRG-121
EXIT SIGN, THERMOPLASTIC LED, SINGLE FACE, UNIVERSAL MOUNTING, W/BATTERY PACK, HUBBELL LIGHTING CATALOG #PRB
COMBINATION, EXIT SIGN & EMERGENCY LIGHTING, HUBBELL LIGHTING CATALOG #PRC
EMERGENCY LIGHTING, 2/50W, HUBBELL LIGHTING CATALOG #HE6-50-2-R91
LIGHTING FIXTURE, INCANDESCENT, 1/100W, WALL MOUNTING TYPE, HUBBELL LIGHTING CATALOG #BRH-100-06-1
LIGHTING FIXTURE, HALOGEN, QUARTZ, 1/300W, HUBBELL LIGHTING CATALOG #QL-505
LIGHTING FIXTURE, 1/175W. METAL HALIDE, HUBBELL CAT #MIC-0175H-336
5/8" X 10'-0" ,CU. GND ROD 30" MIN. BELOW GRADE.

5/8" X 10'-0" ,CU. GND ROD IN TEST WELL 30" MIN. BELOW GRADE.
CHEMICAL GROUND ROD (XIT GROUND ROD)
CADWELD CONNECTION
MECHANICAL CONNECTION
HALO GROUND CONNECTION
CIRCUIT BREAKER
UTILITY METER BASE
TRANSFORMER
STEPDOWN TRANSFORMER
RECEPTACLE, 2P-3W-125V-15A, DUPLEX, GROUND TYPE, HUBBEL CATALOG #5362
TOGGLE SWITCH, 1P-125V-15A, HUBBELL CATALOG #HBL 1201CN
TOGGLE SWITCH, 1P-120V-15A, "WP"
IONIZATION SMOKE DETECTOR W/ALARM HORN & AUXILIARY CONTACT, 120 VAC, GENTEX PART NO. 7100F
POLE
(N) POLE MOUNTED XFMR
(E) POLE MOUNTED XFMR
(N) PAD MOUNTED XFMER
(E) PAD MOUNTED XFMER

LEGEND

1

A	AMPERE	EMT.	ELECTRICAL METALLIC TUBING	MTD.	MOUNTED	T.O.F.	TOP OF FOUNDATION
A.B.	ANCHOR BOLT	E.N.	EDGE NAIL	MTG.	MOUNTING	T.O.P.	TOP OF PLATE (PARAPET)
ABV.	ABOVE	ENCL.	ENCLOSURE	MTL.	METAL	T.O.S.	TOP OF STEEL
AC	ALTERNATE CURRENT/AIR CONDITIONER	ENG.	ENGINEER	MTS.	MANUAL TRANSFER SWITCH	T.O.W.	TOP OF WALL
ACCA	ANTENNA CABLE COVER ASSEMBLY	EQ.	EQUAL	N	NEUTRAL	TYP.	TYPICAL
ADD'L	ADDITIONAL	EXST.(E)	EXISTING	(N)	NEW	U.G.	UNDER GROUND
A.F.F.	ABOVE FINISHED FLOOR	EXP.	EXPANSION	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.	U.L.	UNDERWRITERS LABORATORY INC.
A.F.G.	ABOVE FINISHED GRADE	EXT.	EXTERIOR	NO.(#)	NUMBER	UMTS	UNIVERSAL MOBIL TECH. SYS. (3G MOBILE TECH.)
AIC	AMPERE INTERRUSPTING CAPACITY	FAB.	FABRICATION(OR)	N.T.S.	NOT TO SCALE	U.N.O.	UNLESS NOTED OTHERWISE
ALUM.	ALUMINUM	FAC.	FACTOR	OBIF	OPTICAL BASEBAND INTERFACE	V	VOLT
ALT.	ALTERNATE	F/A	FIRE ALARM	OH	OVERHEAD	VAC	VOLT ALTERNATING CURRENT
ANT.	ANTENNA	F.F.	FINISH FLOOR	O.C.	ON CENTER	V.I.F.	VERIFY IN FIELD
APPROX.	APPROXIMATE(LY)	F.G.	FINISH GRADE	OPNG.	OPENING	W	WATT OR WIRE
ARCH.	ARCHITECT(URAL)	FIN.	FINISH(ED)	P	POLE	WD	WIDE(WIDTH)
AT.	AMPERE TRIP	FLR.	FLOOR	P/C	PRECAST CONCRETE	W/	WITH
AWG.	AMERICAN WIRE GAUGE	FLUOR	FLUORESCENT	PCS	PERSONAL COMMUNICATION SERVICES	W/O	WITHOUT
BATT.	BATTERY	FDN.	FOUNDATION	PH	PHASE	WD.	WOOD
BD.	BOARD	F.O.C.	FACE OF CONCRETE	PLY.	PLYWOOD	W.P.	WEATHERPROOF
BLDG.	BUILDING	F.O.M.	FACE OF MASONRY	PNLBD	PANELBOARD	WT.	WEIGHT
BLK.	BLOCK	F.O.S.	FACE OF STUD	PPC	POWER PROTECTION CABINET	XFER	TRANSFER
BLKG.	BLOCKING	F.O.W.	FACE OF WALL	PRC	PRIMARY RADIO CABINET	XFMR	TRANSFORMER
BM.	BEAM	F.S.	FINISH SURFACE	PRI	PRIMARY	XLPE	CROSS-LINK POLYETHYLENE
B.N.	BOUNDARY NAILING	FT.(')	FOOT (FEET)	P.S.F.	POUNDS PER SQUARE FOOT	℄	CENTERLINE
BR.	BRANCH	FTG.	FOOTING	P.S.I.	POUNDS PER SQUARE INCH	℄	PLATE, PROPERTY LINE
BRKR.	BREAKER	FU	FUSE	P.T.	PRESSURE TREATED		
BTCW.	BARE TINNED COPPER WIRE	G	GROUND	PWR.	POWER (CABINET)		
BTS.	BASE TRANSMISSION SYSTEM	GR	GROWTH (CABINET)	QTY.	QUANTITY		
B.O.F.	BOTTOM OF FOOTING	GA.	GAUGE	RAD.(R)	RADIUS		
B/U	BACK-UP CABINET	GEN.	GENERATOR	RBS	RADIO BASE STATION (BASE STATION 3G NETWORKS)		
C	CONDUIT	GI.	GALVANIZE(D)				
CAB.	CABINET	G.F.C. I.	GROUND FAULT CIRCUIT INTERRUSPTER	RCPT.	RECEPTACLE		
CANT.	CANTILEVER(ED)	GLB. (GLU-LAM)	GLUE LAMINATED BEAM	REF.	REFERENCE		
CB.	CIRCUIT BREAKER	GND	GROUND	REINF.	REINFORCEMENT(ING)		
CDMA	CODE-DIVISION MULTIPLE ACCESS (2G & 3G)	GPS	GLOBAL POSITIONING SYSTEM	REQ'D.	REQUIRED		
CDUK	CONSOLIDATION DISTRIBUTION UNIT KIT	GRND.	GROUND	RGS.	RIGID GALVANIZED STEEL		
C.I.P.	CAST IN PLACE	GSM	GLOBAL SYSTEM MOBILE (2G+ MOBILE TECH.)	RRUS	REMOTE RADIO UNIT (RADIO TRANSCEIVER)		
CKT.	CIRCUIT	HDBC	HARD DRAWN COPPER WIRE				
CLG.	CEILING	HDR.	HEADER	RX-AIT	RECEIVER AIR INTERFACE TRAY		
CLR.	CLEAR	HGR.	HANGER	SAF	SAFETY		
CMU	CONCRETE MASONRY UNIT (JAMB BLOCKS)	HPS	HIGH PRESSURE SODIUM	SCH.	SCHEDULE		
COL.	COLUMN	HT.	HEIGHT	SDBC	SOFT DRAWN BARE COPPER		
CONC.	CONCRETE	ICGB.	ISOLATED COPPER GROUND BUS	SEC	SECONDARY		
CONN.	CONNECTION(OR)	IN.(")	INCH(ES)	SHT.	SHEET		
CONST.	CONSTRUCTION	INT.	INTERIOR	SIM.	SIMILAR		
CONT.	CONTINUOUS	LB.(#)	POUND(S)	S.N.	SOLID NEUTRAL		
d	PENNY (NAILS)	L.B.	LAG BOLTS	SPEC.	SPECIFICATION(S)		
DBL.	DOUBLE	L.F.	LINEAR FEET (FOOT)	SQ.	SQUARE		
DC	DIRECT CURRENT	LG.	LENGTH	S.S.	STAINLESS STEEL		
DEM.	DEMAND	L	LONG(ITUDINAL)	STD.	STANDARD		
DEPT.	DEPARTMENT	LPS	LOW PRESSURE SODIUM	STL.	STEEL		
D.F.	DOUGLAS FIR	LTE	LONG TERM EVOLUTION (4G MOBILE TECH.)	STRUC.	STRUCTURAL		
DIA.	DIAMETER	MAS.	MASONRY	SURF	SURFACE		
DIAG.	DIAGONAL	MAX.	MAXIMUM	SW	SWITCH		
DIM.	DIMENSION	M.B.	MACHINE BOLT	TEL.	TELEPHONE		
DWG.	DRAWING(S)	MECH.	MECHANICAL	TEMP.	TEMPORARY		
DWL.	DOWEL(S)	MFR.	MANUFACTURER	THK.	THICK(NESS)		
EA.	EACH	MIN.	MINIMUM	TMAS	TOWER MOUNTED AMPLIFIER (DC SUPPLY VOLTAGE)		
EGR.	EMERGENCY GENERATOR RECEPTACLE	MISC.	MISCELLANEOUS				
EL.	ELEVATION	MLO	MAIN LUGS ONLY	T.N.	TOE NAIL		
ELEC.	ELECTRICAL			T.O.A.	TOP OF ANTENNA		
ELEV.	ELEVATOR			T.O.C.	TOP OF CURB		

ABBREVIATIONS

2

EXISTING AT&T CELL SITE NOTES

3

NOTES FOR EXISTING AT&T CELL SITES:

1. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
2. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
3. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
4. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
5. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
6. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

GENERAL NOTES

4

1. THE FACILITY IS AN UNOCCUPIED DIGITAL TELECOMMUNICATION FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION ENGINEER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
6. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
7. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION ENGINEER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.
8. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
9. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
10. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
11. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING (SHEET LS1 OR SHEET C-1), SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ENGINEER.
12. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, VEGETATION, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF AT&T.
13. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.
14. PENETRATIONS OF ROOF MEMBRANES SHALL BE PATCHED/FLASHED AND MADE WATERTIGHT USING LIKE MATERIALS IN ACCORDANCE WITH NRCA ROOFING STANDARDS AND DETAILS. CONTRACTOR SHALL OBTAIN DETAILING CLARIFICATION FOR SITE-SPECIFIC CONDITIONS FROM ENGINEER, IF NECESSARY, BEFORE PROCEEDING.
15. BEFORE ORDERING AND/OR BEFORE FABRICATING/CONSTRUCTING/INSTALLING ANY ITEMS, VERIFY THE TYPES AND QUANTITIES.
16. CONTRACTOR SHALL PROVIDE SITE FOREMAN WITH A CELLULAR PHONE AND PAGER, AND KEEP SAME ON SITE WHENEVER PERSONNEL ARE ON SITE.
17. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE SITE AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCIES BEFORE STARTING ANY WORK.
18. CONTRACTOR TO PROVIDE COMPLETE SET OF AS BUILT DRAWINGS WITHIN 10 WORKING DAYS OF PROJECT COMPLETION.
19. CONTRACTOR IS TO EXCAVATE 6" BELOW EXISTING GRADE AND SPRAY WITH WEED CONTROL. REPLACE WITH CLASS II AGGREGATE BASE AND CRUSHED WASHED ROCK. AS SPECIFIED ON SITE PLAN.
20. CONTRACTOR SHALL PROVIDE TOILET FACILITY DURING ALL PHASES OF CONSTRUCTION.
21. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR THE FABRICATION OF MATERIALS TO BE INSTALLED AT THE SITE, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS INCLUDING AS-BUILT DIMENSIONS OF EXISTING STRUCTURES OR STRUCTURAL ELEMENTS HAVING A BEARING ON THE SCOPE OF THE WORK TO BE PERFORMED. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE DIMENSIONS OR CONDITIONS FOUND TO BE EXISTING IN THE FIELD, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OBTAIN DESIGN RESOLUTION PRIOR TO PROCEEDING WITH THE PORTION(S) OF THE WORK AFFECTED. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO SO NOTIFY THE ENGINEER AND OBTAIN RESOLUTION BEFORE PROCEEDING.

APPLICANT:

The new at&t

1452 EDINGER AVENUE,
3RD FLOOR
TUSTIN, CA 92780

ENGINEER:

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

DRAWN BY:	BW
CHECKED BY:	BW

REVISIONS:

REV	DATE	DESCRIPTION
1	01/17/20	WCS FILTER
0	08/12/19	100% CONSTRUCTION DRAWING

LICENSER:

AGENCY APPROVAL:

OSHPD #:

PROJECT INFORMATION:

SBSB27 (CLU1433)
COTTAGE HOSPITAL
400 W. PUEBLO ST.
SANTA BARBARA, CA 93105

SHEET TITLE:

GENERAL NOTES, LEGEND, AND ABBREVIATIONS

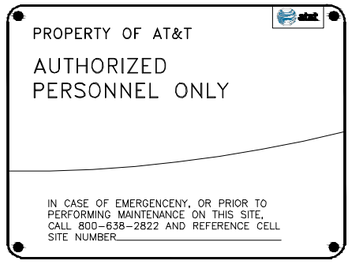
SHEET NUMBER:

T-2

ALERTING SIGNS
NO SCALE

ALERTING SIGN
NO SCALE

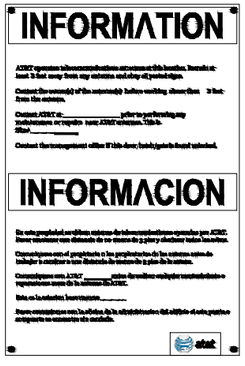
ALERTING SIGN
NO SCALE



INFO SIGN #5
NO SCALE

INFO SIGN #4
NO SCALE

INFO SIGN #3
NO SCALE



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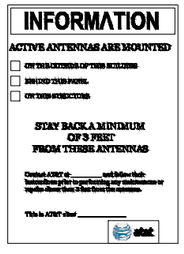

INFO SIGN #2
NO SCALE

GENERAL SIGNAGE GUIDELINES

Structure Type	INFO SIGN #1	INFO SIGN #2	INFO SIGN #3	INFO SIGN #4	INFO SIGN #5	Striping	NOTICE SIGN	CAUTION SIGN
Towers								
MONOPINE/Monopine/Monopalm	entrance gates, shelter doors OR on the outdoor cabinets	climbing side of the Tower	on backside of Antennas	on the side of Antennas	On the shelter door or on one outdoor equipment cabinet			At the height of the first climbing step, min. 9ft above ground
SCE Towers/Towers with high voltage	entrance gates, shelter doors OR on the outdoor cabinets				On the shelter door or on one outdoor equipment cabinet	install singage on shroud		
Light Poles/Flag Poles	entrance gates, shelter doors OR on the outdoor cabinets	on the pole, no less than 3ft below the Antenna and no	on backside of Antennas	on the side of Antennas	On the shelter door or on one outdoor equipment cabinet			
Utility Wood Poles (JPA)	entrance gates, shelter doors OR on the outdoor cabinets	on the pole, no less than 3ft below the Antenna and no	on backside of Antennas	on the side of Antennas	On the shelter door or on one outdoor equipment cabinet		If CP max value of MPE at antenna level is: 0-99%: Notice sign; over 99%: Caution sign at no less that 3ft below antenna and 9ft above ground	
Microcells mounted on non-JPA poles	entrance gates, shelter doors OR on the outdoor cabinets	on the pole, no less than 3ft below the Antenna and no	on backside of Antennas	on the side of Antennas	On the shelter door or on one outdoor equipment cabinet		Notice or Caution sign at no less than 9ft above ground; only if the exposure exceeds 90% of the General Public Exposure at 6ft above ground or at	
Roof Tops								
At all access points to the roof	X							
On Antennas	X		X	X				
Concealed Antennas	X	X						
antennas mounted facing outside the building	X	X						
antennas on support structure	X	X						
Roofview Graph:								
Radiation area is within 3ft from antenna	X	adjacent to each antenna					either Notice or Caution sign (based on Roofview results) at antennas/barrier	
Radiation area is beyond 3ft from antenna	X	adjacent to each antenna				diagonal, yellow striping as to Roofview graph		
Church Steeples	Access to steeple	adjacent to antennas if antennas are concealed	On backside of Antennas	On the side of Antennas	On the shelter door or on one outdoor equipment cabinet			Caution sign at the antennas
Water Stations	Access to ladder	adjacent to antennas if antennas are concealed	On backside of Antennas	On the side of Antennas	On the shelter door or on one outdoor equipment cabinet			Caution sign beside info sign #1, min. 9ft above ground

Notes for Rooftop sites:
1. Either NOTICE or CAUTION signs need to be posted at each sector as close as possible to: the outer edge of the striped off area of the outer antennas of the sector.
2. If Roofview shows: only blue = Notice Sign, blue and yellow = Caution Sign, only yellow = Caution sign to be installed.
3. Should the Required striping area interfere with any structures or equipment (A/C, vents, roof hatch, doors, other antennas, dishes, etc.).
please notify AT&T to modify the striping area, prior to starting the work

SIGNAGE GUIDELINES CHART
NO SCALE

APPLICANT:
The new at&t
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IRVINE, CA 92618
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www.eukongroup.com

DRAWN BY:	BW
CHECKED BY:	BW

REVISIONS:

REV	DATE	DESCRIPTION
1	01/17/20	WCS FILTER
0	08/12/19	100% CONSTRUCTION DRAWING

LICENSER:

AGENCY APPROVAL:

OSHPD #:

PROJECT INFORMATION:
SBSB27 (CLU1433)
COTTAGE HOSPITAL
400 W. PUEBLO ST.
SANTA BARBARA, CA 93105

SHEET TITLE:
GENERAL SIGNAGE

SHEET NUMBER:
T-3

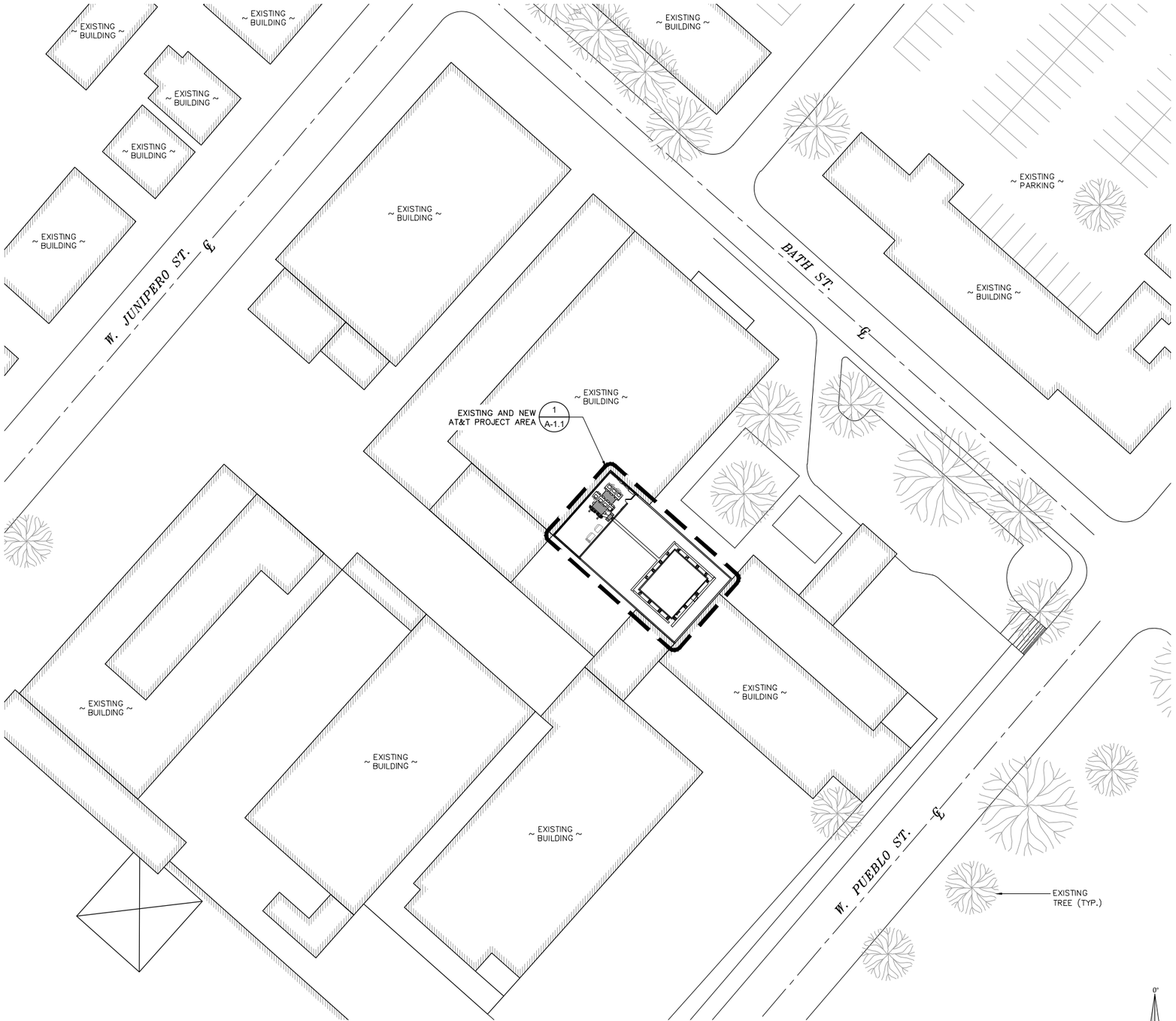
SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.

GENERAL NOTES:

1. THE EXISTING FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE.
2. THE EXISTING FACILITY IS UNMANNED AND IS NOT FOR HUMAN HABITAT. (NO HANDICAP ACCESS IS REQUIRED).
3. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY **AT&T** TECHNICIANS.
4. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS PROPOSAL.
5. OUTDOOR STORAGE AND SOLID WASTE CONTAINERS ARE NOT NEW.
6. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
7. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATION.
8. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTION REQUIRED FOR CONSTRUCTION.
9. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
10. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND DRAWINGS PROVIDED BY THE SITE OWNER. SUBCONTRACTOR SHALL NOTIFY **AT&T** OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

SITE WORK GENERAL NOTES:

1. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.
2. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
3. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
4. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
5. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
6. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
7. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING, OWNER AND/OR LOCAL UTILITIES.
8. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE AND STABILIZED TO PREVENT EROSION AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
9. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
10. ADD ELECTRICAL CONNECTIONS IN THE PUBLIC RIGHT OF WAY SHALL BE INSTALLED UNDERGROUND TO THE NEAREST UTILITY POLE.
11. NO WORK SHALL BE DONE WITHIN THE PUBLIC RIGHT-OF-WAY WITHOUT THE PRIOR APPROVAL AND PERMIT FROM THE ENVIRONMENTAL AND PUBLIC WORKS MANAGEMENT DEPARTMENT – ADMINISTRATIVE SERVICES.
12. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ALL DAMAGED OFFSITE IMPROVEMENTS CAUSED BY CONSTRUCTION. CALL PUBLIC WORKS INSPECTOR FOR INSPECTION OF OFFSITE IMPROVEMENTS AT SUBSTANTIAL COMPLETION OF ONSITE WORK.
13. NO CONSTRUCTION DEBRIS SHALL BE SPILLED OR STORED ONTO PUBLIC RIGHT-OF-WAY.
14. NO RUNOFF SEDIMENT OR WASTES IS ALLOWED IN WATER LEAVING THE SITE. ALL SITE UTILITIES SHALL BE CONSTRUCTED UNDERGROUND TO THE NEAREST POLE.
15. ALL LABOR, EQUIPMENT AND MATERIAL REQUIRED FOR OFF-SITE IMPROVEMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.



SCALE
1"=30'-0"
30' 0 15' 30' 60' 120'

DISCLAIMER NOTE:

EUKONGROUP HAS GENERATED A SITE PLAN WITHOUT USING A TOPOGRAPHIC SURVEY. PROPERTY LINES, POWER/TELCO UTILITY POINT OF CONNECTIONS/ROUTES AND EASEMENT SHOWN ON THIS PLANS ARE ESTIMATED. EUKONGROUP HIGHLY RECOMMENDS GETTING A TOPOGRAPHIC SURVEY FOR THE PROPERTY TO VERIFY THE MEASUREMENTS AND ACCURACY.

SITE PLAN

1

APPLICANT:

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ENGINEER:

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IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

DRAWN BY:	BW
CHECKED BY:	BW

REVISIONS:

REV	DATE	DESCRIPTION
1	01/17/20	WCS FILTER
0	08/12/19	100% CONSTRUCTION DRAWING

LICENSER:

AGENCY APPROVAL:

OSHPD #:

PROJECT INFORMATION:

SBSB27 (CLU1433)
COTTAGE HOSPITAL
400 W. PUEBLO ST.
SANTA BARBARA, CA 93105

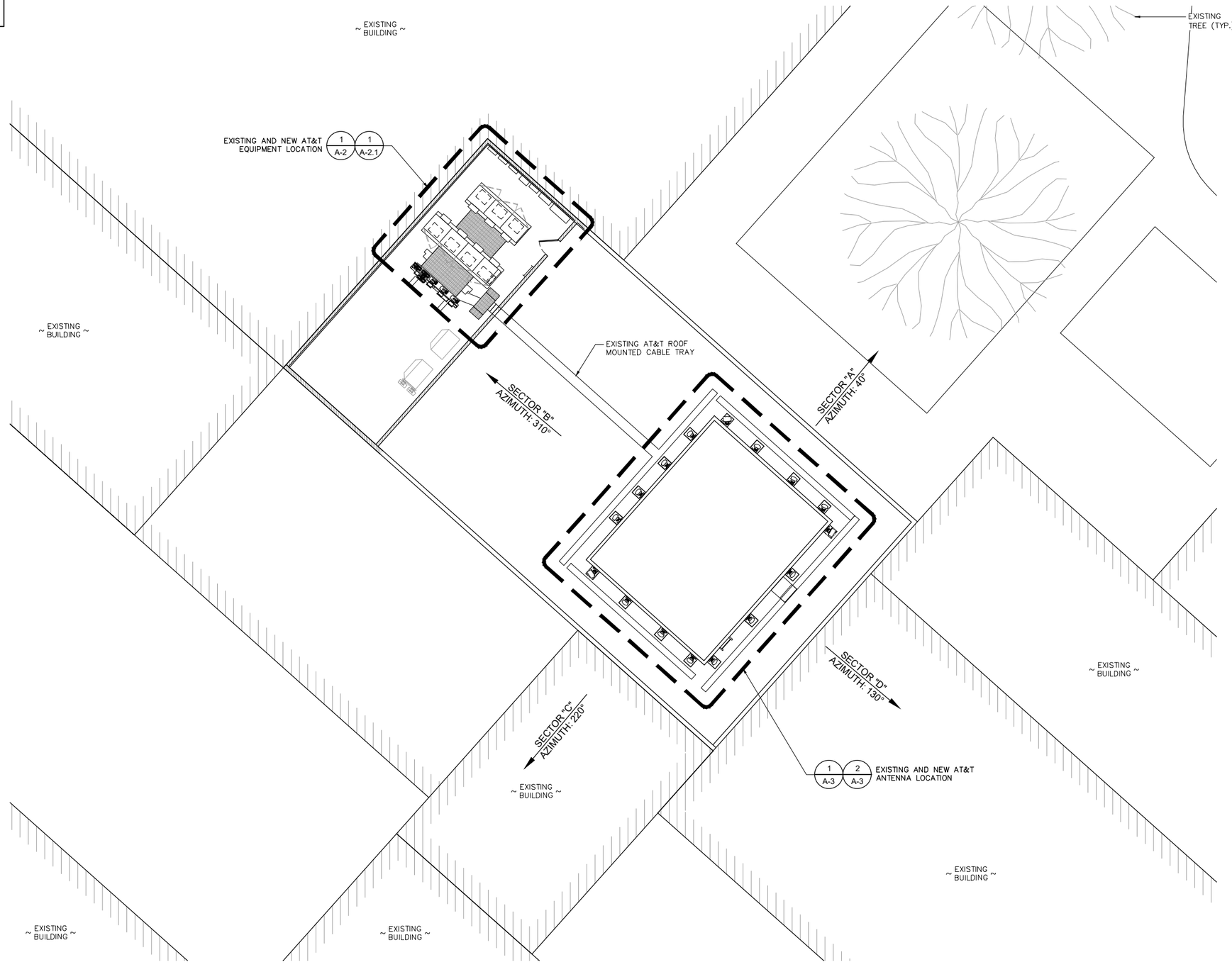
SHEET TITLE:

SITE PLAN

SHEET NUMBER:

A-1

SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.



DISCLAIMER NOTE:

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ENLARGED SITE PLAN

SCALE 1/8"=1'-0"

8' 0 4' 8' 16' 32'

1

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SBSB27 (CLU1433)
COTTAGE HOSPITAL
400 W. PUEBLO ST.
SANTA BARBARA, CA 93105

SHEET TITLE:

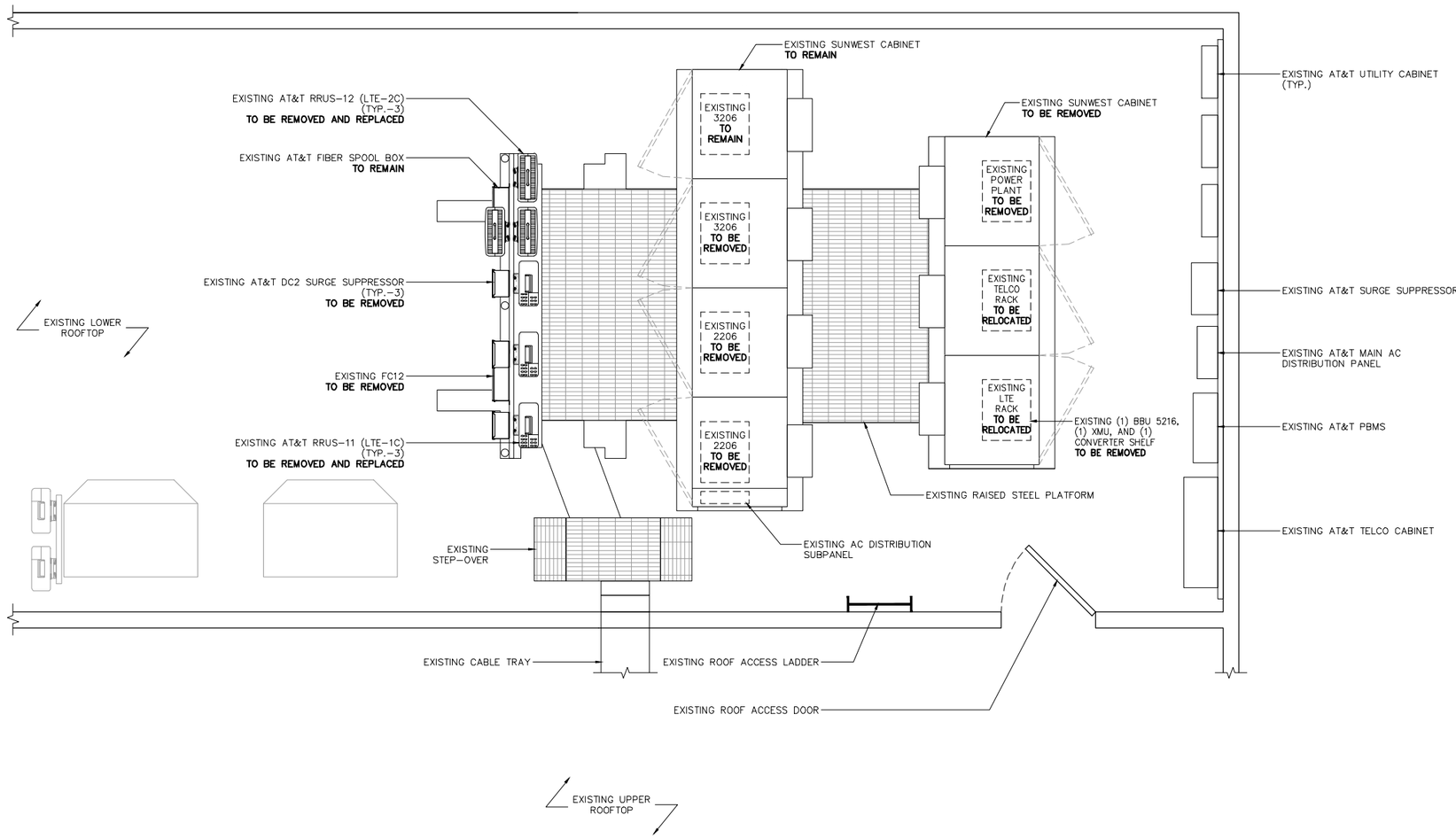
ENLARGED SITE PLAN

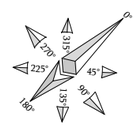
SHEET NUMBER:

A-1.1

SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.

NOTE:
ALL EXISTING DIPLEXERS TO BE REMOVED





EXISTING EQUIPMENT LAYOUT

SCALE
1/2"=1'-0"

2' 0 1' 2' 4' 8'

1

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SANTA BARBARA, CA 93105

SHEET TITLE:

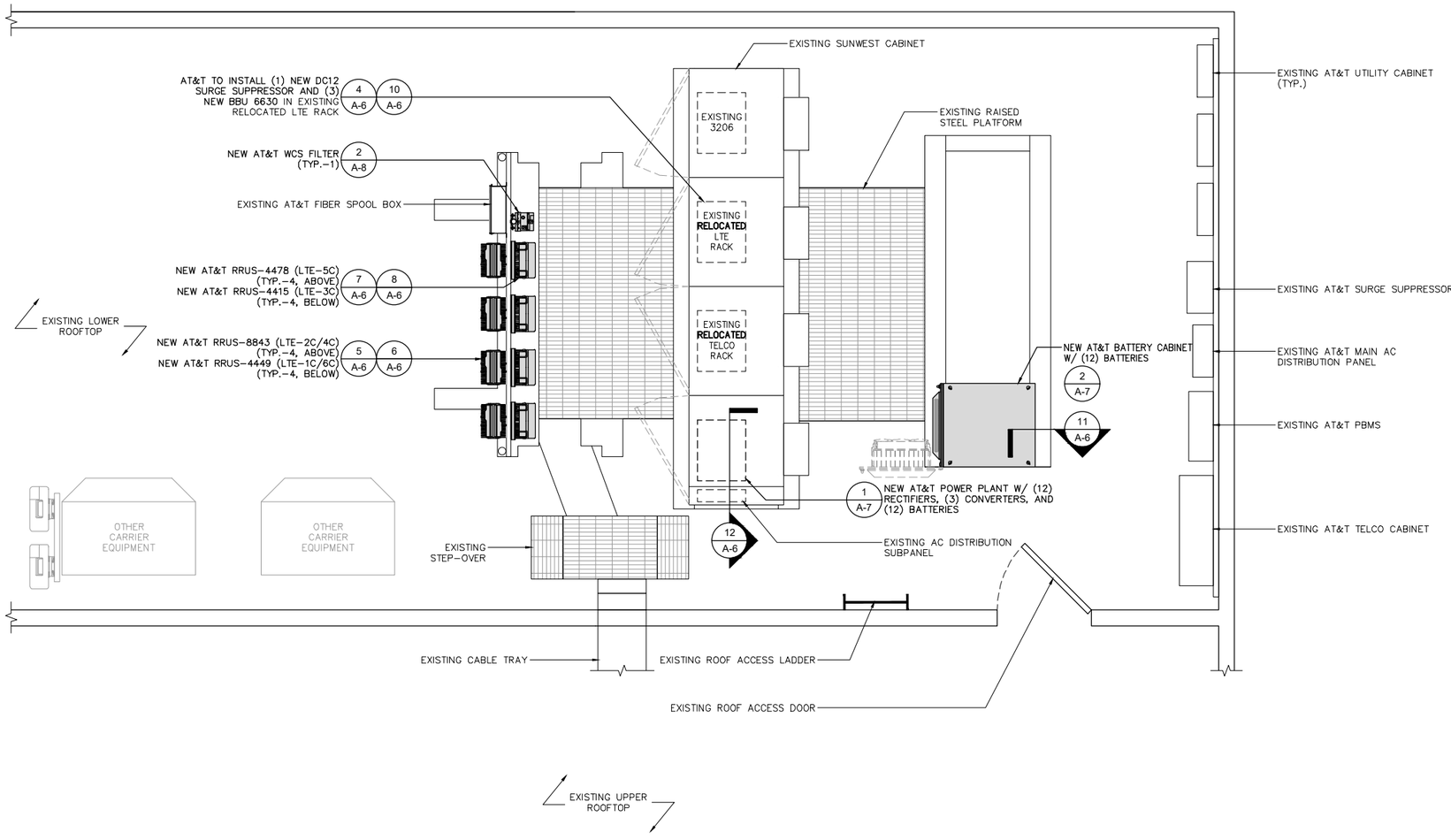
EXISTING EQUIPMENT LAYOUT

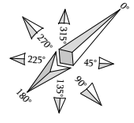
SHEET NUMBER:

A-2

SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.

AT&T TO INSTALL (16) NEW TRIPLEXERS (3 / A-7) (4 / A-7)





NEW EQUIPMENT LAYOUT

SCALE 1/2"=1'-0" (2' 0 1' 2' 4' 8')

1

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SANTA BARBARA, CA 93105

SHEET TITLE:

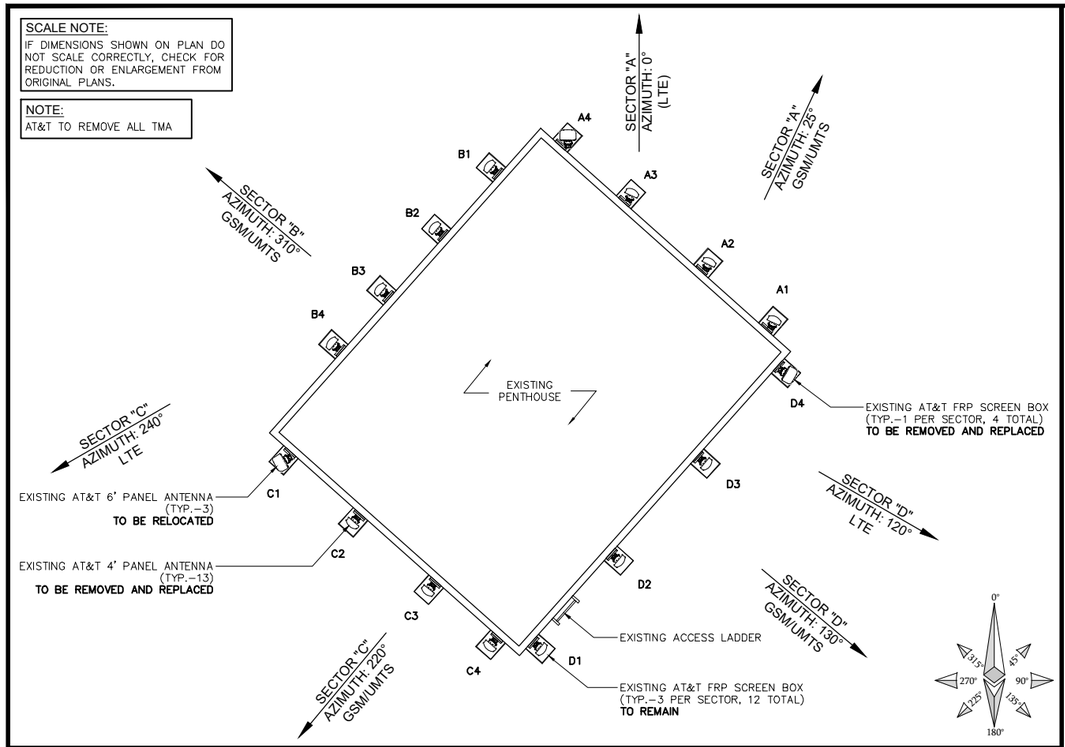
NEW EQUIPMENT LAYOUT

SHEET NUMBER:

A-2.1

SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.

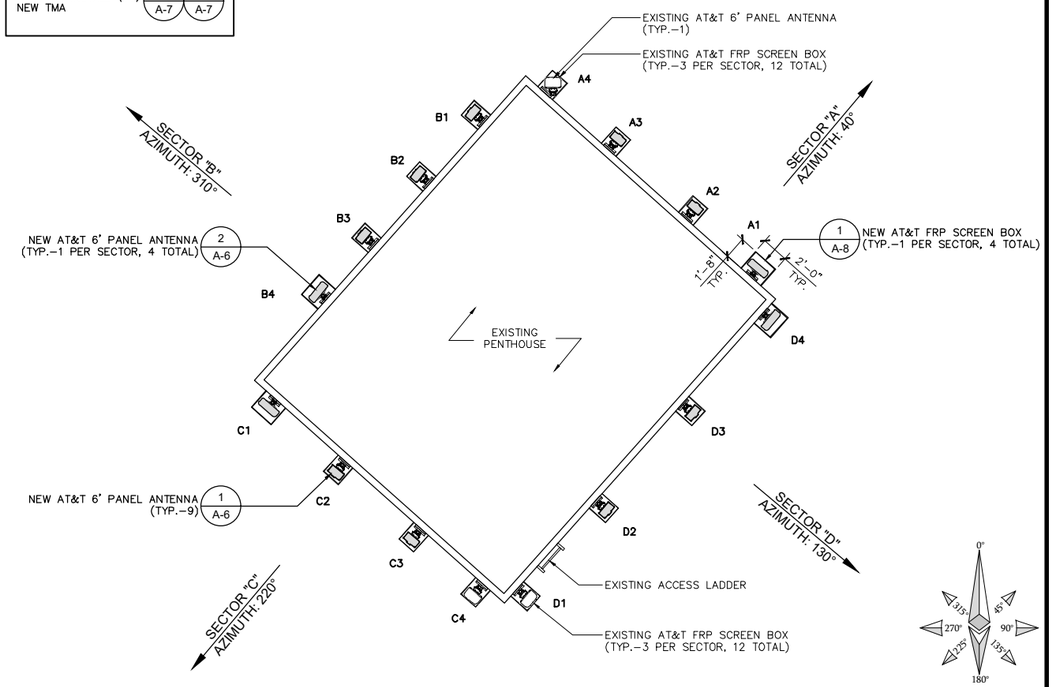
NOTE:
AT&T TO REMOVE ALL TMA



EXISTING ANTENNA PLAN

SCALE 3/16"=1'-0" | 4' 0 2' 4' 8' 16' | 1

AT&T TO INSTALL (16) NEW TMA (5 / A-7) (6 / A-7)



NEW ANTENNA PLAN

SCALE 3/16"=1'-0" | 4' 0 2' 4' 8' 16' | 2

OPTIMUM ANTENNA REQUIREMENTS (VERIFY WITH CURRENT RFDS)

	SECTOR	TECHNOLOGY EXISTING	TECHNOLOGY NEW	ANTENNA MODEL EXISTING	ANTENNA MODEL EXISTING/REPLACEMENT	ANTENNA AZIMUTH EXISTING	ANTENNA AZIMUTH NEW	RAD CENTER EXISTING	RAD CENTER NEW	TRANSMISSION CABLE LENGTH	TRANSMISSION CABLE PART NUMBER
ALPHA SECTOR	A1	GSM	**LTE-1C/2C/6C**	POWERWAVE RA21.7750.00	**COMMSCOPE NNHH-65B-R4**	25°	**40°**	79'-0"	79'-0"	±115'	LDF5
	A2	GSM	**LTE-4C/5C**	POWERWAVE RA21.7750.00	**COMMSCOPE JAHH-65B-R3B-V3**	25°	**40°**	79'-0"	79'-0"	±115'	LDF5
	A3	UMTS	**LTE-5C**	POWERWAVE RA21.7750.00	**COMMSCOPE JAHH-65B-R3B-V3**	25°	**40°**	79'-0"	79'-0"	±115'	LDF5
	A4	LTE-1C/2C	**UMTS/LTE-3C**	CCI HPA-65R-BUU-H6-K	CCI HPA-65R-BUU-H6-K	0°	**40°**	79'-0"	79'-0"	±115'	LDF5
BETA SECTOR	B1	DUMMY	**UMTS/LTE-3C**	POWERWAVE RA21.7750.00	**COMMSCOPE JAHH-65B-R3B-V3**	310°	310°	79'-0"	79'-0"	±115'	LDF5
	B2	GSM	**LTE-5C**	POWERWAVE RA21.7750.00	**COMMSCOPE JAHH-65B-R3B-V3**	310°	310°	79'-0"	79'-0"	±115'	LDF5
	B3	GSM	**LTE-4C/5C**	POWERWAVE RA21.7750.00	**COMMSCOPE JAHH-65B-R3B-V3**	310°	310°	79'-0"	79'-0"	±115'	LDF5
	B4	UMTS	**LTE-1C/2C/6C**	POWERWAVE RA21.7750.00	**COMMSCOPE NNHH-65B-R4**	310°	310°	79'-0"	79'-0"	±115'	LDF5
GAMMA SECTOR	C1	LTE-1C/2C	**LTE-1C/2C/6C**	CCI HPA-65R-BUU-H6-K	**COMMSCOPE NNHH-65B-R4**	240°	**220°**	79'-0"	79'-0"	±115'	LDF5
	C2	GSM	**LTE-4C/5C**	POWERWAVE RA21.7750.00	**COMMSCOPE JAHH-65B-R3B-V3**	220°	220°	79'-0"	79'-0"	±115'	LDF5
	C3	GSM	**LTE-5C**	POWERWAVE RA21.7750.00	**COMMSCOPE JAHH-65B-R3B-V3**	220°	220°	79'-0"	79'-0"	±115'	LDF5
	C4	UMTS	**UMTS/LTE-3C**	POWERWAVE RA21.7750.00	CCI HPA-65R-BUU-H6-K	220°	220°	79'-0"	79'-0"	±115'	LDF5
DELTA SECTOR	D1	GSM	**UMTS/LTE-3C**	POWERWAVE RA21.7750.00	CCI HPA-65R-BUU-H6-K	130°	130°	79'-0"	79'-0"	±115'	LDF5
	D2	GSM	**LTE-5C**	POWERWAVE RA21.7750.00	**COMMSCOPE JAHH-65B-R3B-V3**	130°	130°	79'-0"	79'-0"	±115'	LDF5
	D3	UMTS	**LTE-4C/5C**	POWERWAVE RA21.7750.00	**COMMSCOPE JAHH-65B-R3B-V3**	130°	130°	79'-0"	79'-0"	±115'	LDF5
	D4	LTE-1C/2C	**LTE-1C/2C/6C**	CCI HPA-65R-BUU-H6-K	**COMMSCOPE NNHH-65B-R4**	120°	130°	79'-0"	79'-0"	±115'	LDF5

REMOTE RADIO UNITS (RRU'S)

	SECTOR	RRU TYPE	(E)	(N)	RRU LOCATION (DISTANCE FROM ANTENNA)	MINIMUM CLEARANCES ABOVE	BELOW	SIDES
ALPHA SECTOR	A1	**RRUS-8843 (AWS/PCS)**	–	**1**	±115'	16"	8"	0"
	A2	**RRUS-4449 (700/850)**	–	**1**	±115'	16"	8"	0"
	A3	**RRUS-4478 (FIRSTNET)**	–	**1**	±115'	16"	8"	0"
	A4	**RRUS-4415 (WCS)**	–	**1**	±115'	16"	8"	0"
BETA SECTOR	B1	**RRUS-4415 (WCS)**	–	**1**	±115'	16"	8"	0"
	B2	**RRUS-4478 (FIRSTNET)**	–	**1**	±115'	16"	8"	0"
	B3	**RRUS-4449 (700/850)**	–	**1**	±115'	16"	8"	0"
	B4	**RRUS-8843 (AWS/PCS)**	–	**1**	±115'	16"	8"	0"
GAMMA SECTOR	C1	**RRUS-8843 (AWS/PCS)**	–	**1**	±115'	16"	8"	0"
	C2	**RRUS-4449 (700/850)**	–	**1**	±115'	16"	8"	0"
	C3	**RRUS-4478 (FIRSTNET)**	–	**1**	±115'	16"	8"	0"
	C4	**RRUS-4415 (WCS)**	–	**1**	±115'	16"	8"	0"
DELTA SECTOR	D1	**RRUS-4415 (WCS)**	–	**1**	±115'	16"	8"	0"
	D2	**RRUS-4478 (FIRSTNET)**	–	**1**	±115'	16"	8"	0"
	D3	**RRUS-4449 (700/850)**	–	**1**	±115'	16"	8"	0"
	D4	**RRUS-8843 (AWS/PCS)**	–	**1**	±115'	16"	8"	0"

SURGE SUPPRESSION SYSTEM

	MANUFACTURER	PART NUMBER	(E)	(N)	LOCATION
SYSTEM	RAYCAP	DC12-48-60-RM	1	**1**	MOUNTED AT EQUIPMENT LEASE AREA
	–	–	–	–	–

NOTES TO CONTRACTOR

1. CONTRACTOR IS TO REFER TO AT&T'S MOST CURRENT RADIO FREQUENCY DATA SHEET (RFDS) PRIOR TO CONSTRUCTION.
2. CABLE LENGTHS WERE DETERMINED BASED ON A VISUAL INSPECTION DURING SITE WALK. CONTRACTOR TO VERIFY ACTUAL LENGTH DURING PRE-CONSTRUCTION WALK.
3. CONTRACTOR TO USE ROSENBERGER FIBER LINE HANGER COMPONENTS (OR ENGINEER APPROVED EQUAL).
4. CONTRACTOR TO USE CABLES SPECIFIED (OR ENGINEER APPROVED EQUAL).

ANTENNA AND RRU SCHEDULES

SCALE NONE | 3

APPLICANT:
The new at&t
1452 EDINGER AVENUE,
3RD FLOOR
TUSTIN, CA 92780

ENGINEER:
Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

DRAWN BY:	BW
CHECKED BY:	BW

REVISIONS:

REV	DATE	DESCRIPTION
1	01/17/20	WCS FILTER
0	08/12/19	100% CONSTRUCTION DRAWING

LICENSER:

AGENCY APPROVAL:

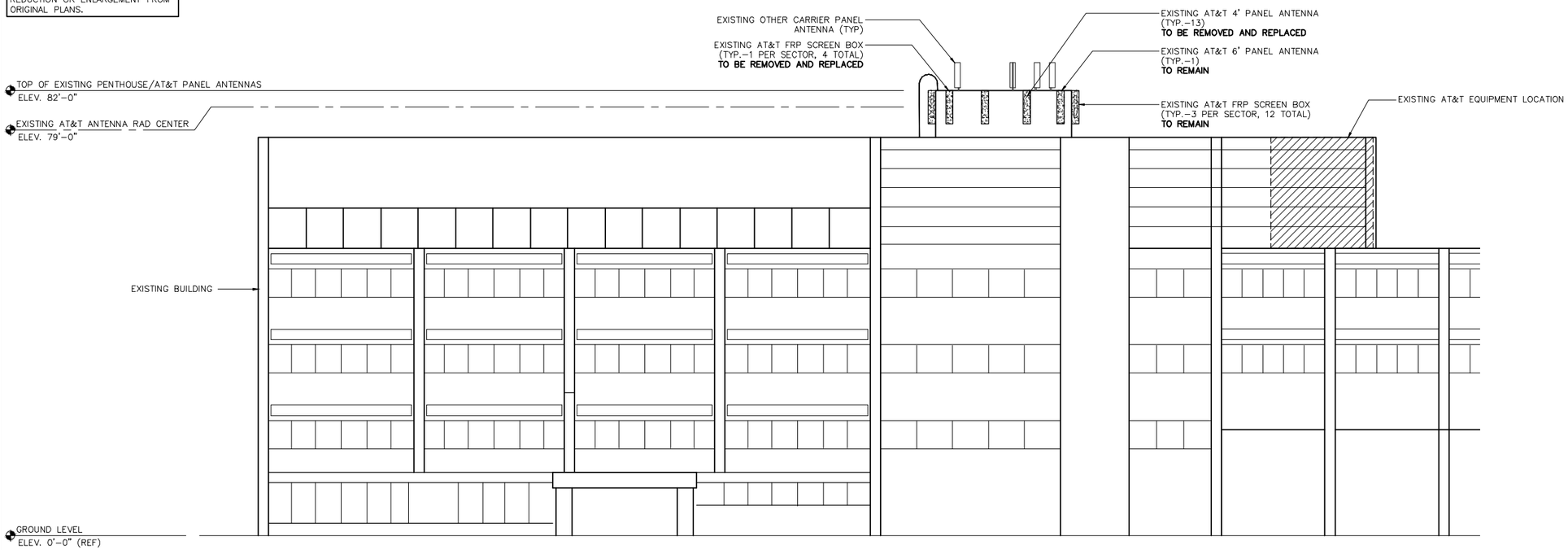
OSHPD #:

PROJECT INFORMATION:
SBSB27 (CLU1433)
COTTAGE HOSPITAL
400 W. PUEBLO ST.
SANTA BARBARA, CA 93105

SHEET TITLE:
EXISTING AND NEW ANTENNA PLANS / ANTENNA AND RRU SCHEDULES

SHEET NUMBER:
A-3

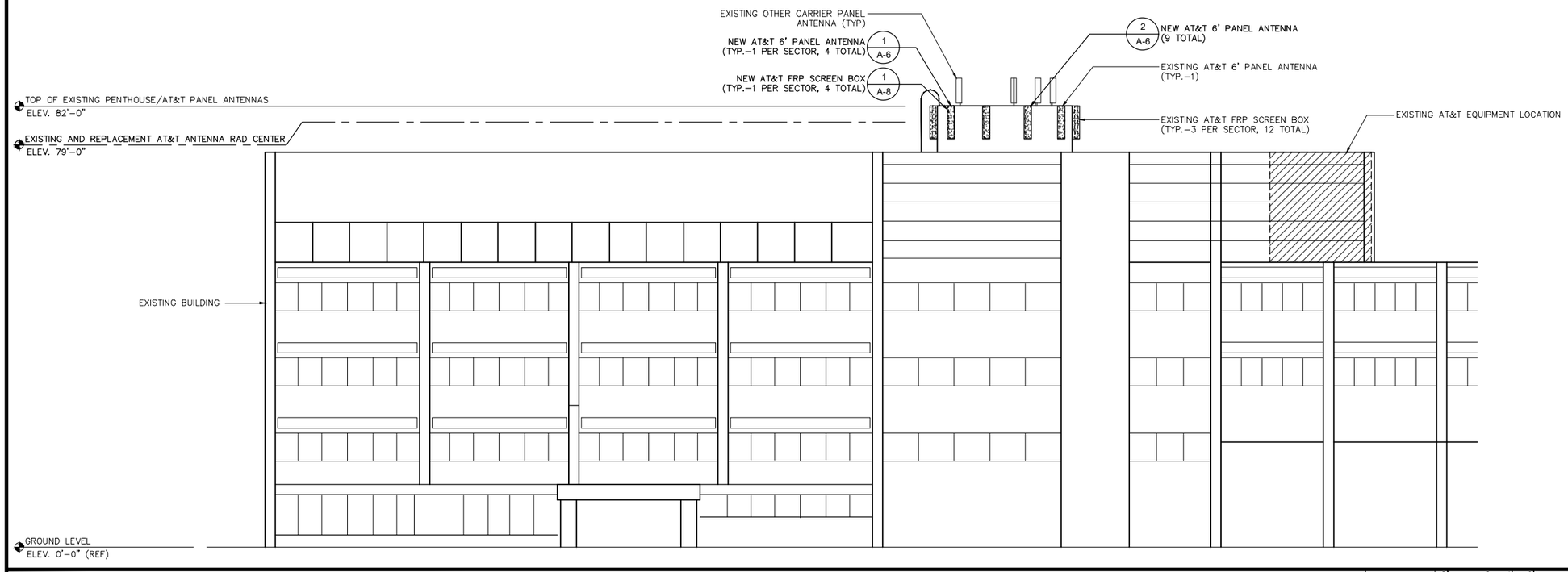
SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.



EXISTING PARTIAL NORTHEAST ELEVATION

SCALE 3/32"=1'–0" (8' 0 4' 8' 16' 32')

1



NEW PARTIAL NORTHEAST ELEVATION

SCALE 3/32"=1'–0" (8' 0 4' 8' 16' 32')

2

APPLICANT:

The new at&t

1452 EDINGER AVENUE,
3RD FLOOR
TUSTIN, CA 92780

ENGINEER:

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TEL: (949) 553-8566
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DRAWN BY:	BW
CHECKED BY:	BW

REVISIONS:

REV	DATE	DESCRIPTION
1	01/17/20	WCS FILTER
0	08/12/19	100% CONSTRUCTION DRAWING

LICENSER:

AGENCY APPROVAL:

OSHPD #:

PROJECT INFORMATION:

SBSB27 (CLU1433)
COTTAGE HOSPITAL
400 W. PUEBLO ST.
SANTA BARBARA, CA 93105

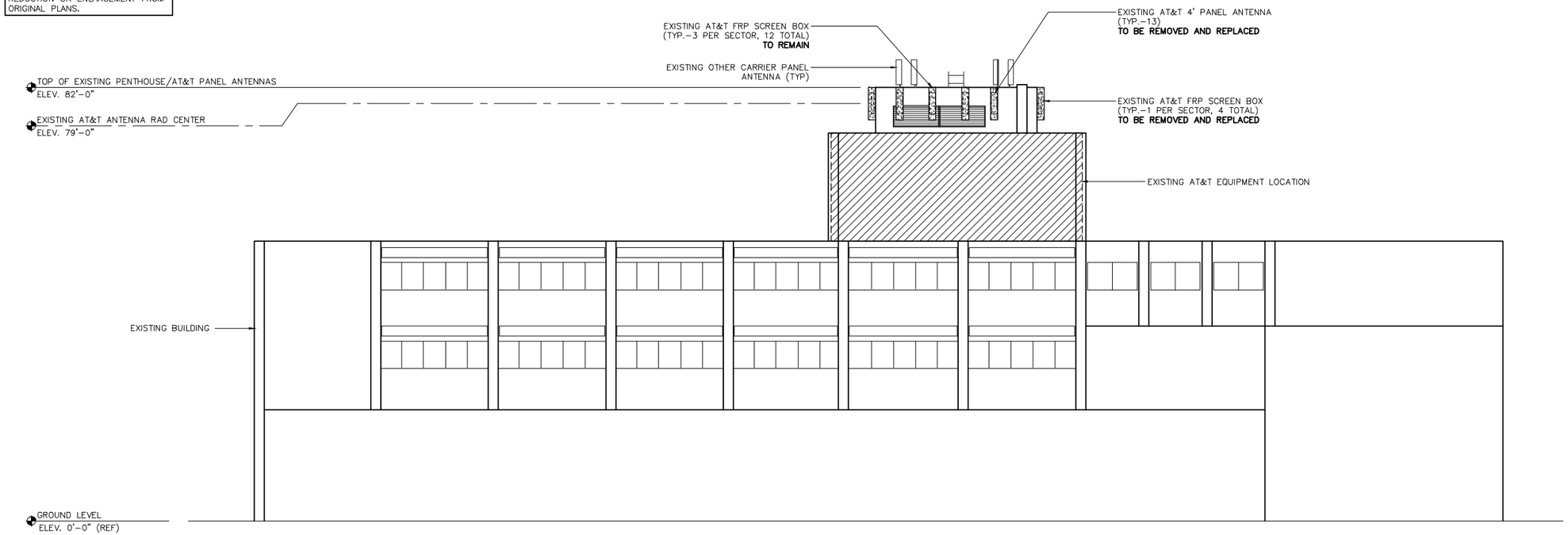
SHEET TITLE:

EXISTING AND NEW PARTIAL NORTHEAST ELEVATIONS

SHEET NUMBER:

A-4

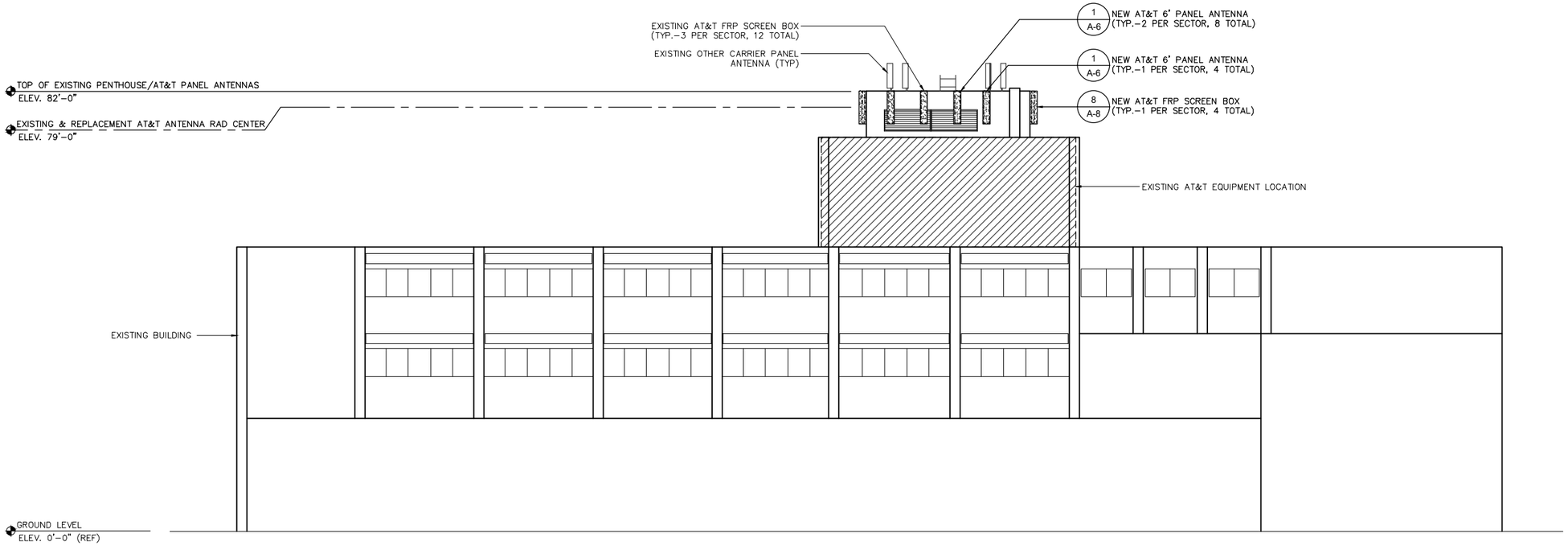
SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.



EXISTING NORTHWEST ELEVATION

SCALE 3/32"=1'-0" 8' 0 4' 8' 16' 32'

1



NEW NORTHWEST ELEVATION

SCALE 3/32"=1'-0" 8' 0 4' 8' 16' 32'

2

APPLICANT:
The new at&t
1452 EDINGER AVENUE,
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DRAWN BY:	BW
CHECKED BY:	BW

REVISIONS:

REV	DATE	DESCRIPTION
1	01/17/20	WCS FILTER
0	08/12/19	100% CONSTRUCTION DRAWING

LICENSER:

AGENCY APPROVAL:

OSHPD #:

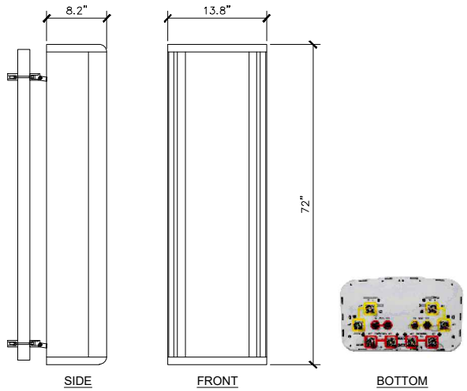
PROJECT INFORMATION:
SBSB27 (CLU1433)
COTTAGE HOSPITAL
400 W. PUEBLO ST.
SANTA BARBARA, CA 93105

SHEET TITLE:
EXISTING AND NEW
NORTHWEST ELEVATIONS

SHEET NUMBER:
A-5

COMMSCOPE - JAHH-65B-R3B-V3

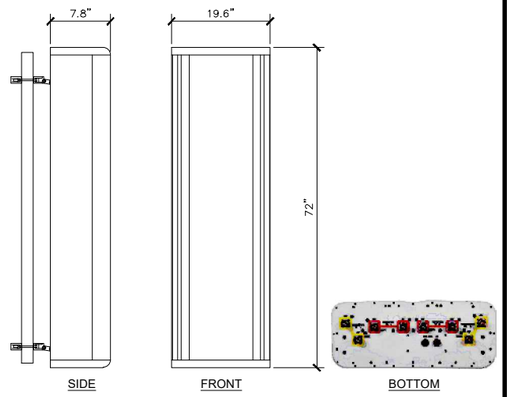
DIMENSIONS (LxWxD):	72.0 x 13.8 x 8.2 INCHES (1828 x 350 x 208 mm)
WEIGHT EXCL MOUNTING BRACKETS:	72.3lbs (32.8 kg)
NO. OF CONNECTORS	8x 7/16 DIN FEMALE LONG NECK
MAX WIND SPEED:	150mph (241km/h)
EQUIVALENT FLAT PLATE AREA:	2.96 ft² (0.275 m²)
WIND LOAD:	638.0 N @ 150 km/h 143.4 lbf @ 150 km/h
RET INTERFACE:	8-PIN DIN FEMALE / 8-PIN DIN MALE



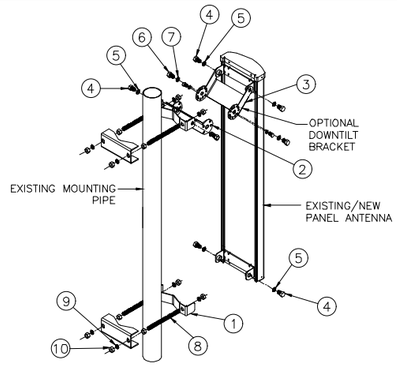
ANTENNA SPECIFICATIONS | 1

COMMSCOPE - NNHH-65B-R4

DIMENSIONS (LxWxD):	72.0 x 19.6 x 7.8 INCHES (1828 x 498 x 197 mm)
WEIGHT EXCL MOUNTING BRACKETS:	77.4lbs (35.1 kg)
NO. OF CONNECTORS	8x 4.3-10 DIN FEMALE
MAX WIND SPEED:	150mph (241km/h)
WIND LOAD, MAXIMUM:	889.0 N @ 150 km/h 199.9 lbf @ 150 km/h
RET INTERFACE:	8-PIN DIN FEMALE / 8-PIN DIN MALE



ANTENNA SPECIFICATIONS | 2



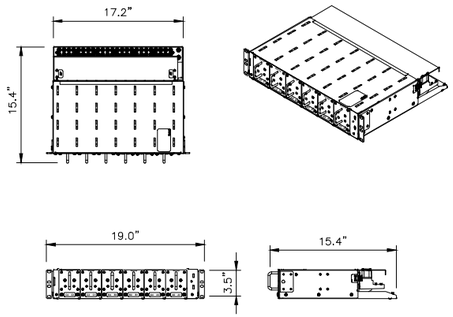
NOTES:
1. INSERT SCISSOR BRACKETS BETWEEN THE UPPER ANTENNA MOUNTING BRACKET AND THE UPPER POLE ADAPTER BRACKET. SECURE USING 1/2 INCH HARDWARE PROVIDED.
2. TO SET THE DEGREE OF DOWNTILT, ALIGN THE DESIRED HOLES ON THE SCISSOR BRACKETS AND SECURE USINT 5/16 INCH HARDWARE PROVIDED.
3. THE NUMBER OF CONNECTORS WILL VARY BASED ON ANTENNA TYPE.

ITEM	QTY	DESCRIPTION
1	1	ADAPTER, POLE, LOWER
2	1	BRACKET, DOWNTILT, POLE
3	1	BRACKET, DOWNTILT, ANTENNA
4	6	1/2 x 1 HEX HEAD BOLT
5	6	1/2 SPLIT WASHER
6	2	5/16 x 1 HEX HEAD BOLT
7	2	5/16 SPLIT WASHER
8	4	1/2" THREADED ROD
9	8	1/2" SPLIT WASHER
10	12	1/2" NUT

ANTENNA MOUNTING DETAIL | 3

RAYCAP DC12-48-60-RM

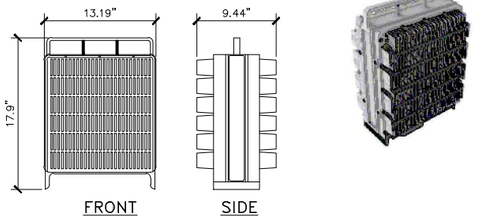
DIMENSIONS, WxDxH:	483x89x392mm (19.0"x3.5"x15.4")
NOMINAL OPERATING VOLTAGE:	48 VDC
NOMINAL DISCHARGE CURRENT:	20 kA 8/20µs
MAXIMUM DISCHARGE CURRENT:	60 kA 8/20µs
MAXIMUM CONTINUOUS OPERATING VOLTAGE:	75 VDC
VOLTAGE PROTECTION RATING:	400 V
TOTAL WEIGHT:	27 lbs



DC12 SURGE SUPPRESSOR SPECIFICATIONS | 4

ERICSSON RRUS-4449 B5, B12

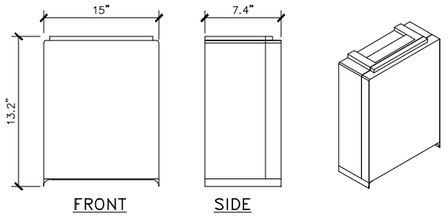
DIMENSIONS, WxDxH: 13.19" x 9.44" x 17.9"
POWER CONSUMPTION: 1440 W
WEIGHT: 71 LBS.



RRU SPECIFICATIONS | 5

ERICSSON-4478 B14

DIMENSIONS, WxDxH: 15" x 13.2" x 7.4"
POWER CONSUMPTION: 4 x 40W FOR 4T4R OR 2 SECTORS AT 2x40W FOR 2T2R
WEIGHT: 60 LBS.
ONE CPRI CONNECTION PER RRH



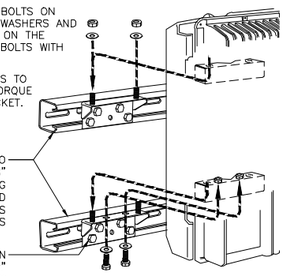
RRU SPECIFICATIONS | 7

HOOK THE RRUS ONTO THE STUD BOLTS ON THE WALL BRACKETS. MOUNT THE WASHERS AND THE NUTS ONTO THE STUD BOLTS ON THE UPPER BRACKET AND INSERT THE BOLTS WITH WASHERS IN THE LOWER FIXTURE.

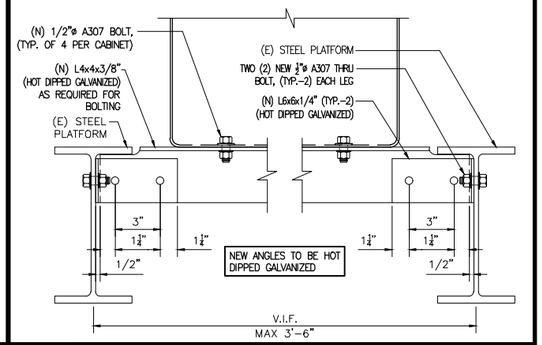
TIGHTEN THE M10 NUTS AND BOLTS TO A TORQUE OF 41 Nm, USING A TORQUE WRENCH FITTED WITH A 16MM SOCKET.

AT&T MOBILITY CONTRACTOR TO INSTALL (2) 1 5/8" x 1 5/8" UNISTRUT CHANNELS TO EXISTING H-FRAME WITH 1/2" COATED STEEL BOLTS, 2H HEAVY HEX NUTS & F436 STRUCTURAL WASHERS

NOTE: RRUS TO BE MOUNTED ON UNISTRUT CHANNEL WITH 1/2" COATED STEEL, BOLTS, 2H HEAVY HEX NUTS & F436 STRUCTURAL WASHERS



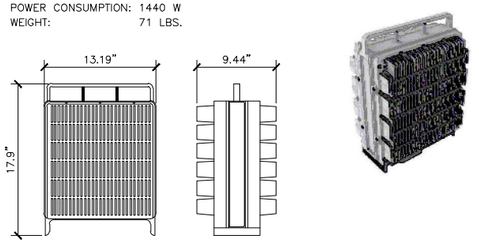
RRU MOUNTING DETAIL | 9



EQUIPMENT ANCHORING | 11

ERICSSON RRUS-8843

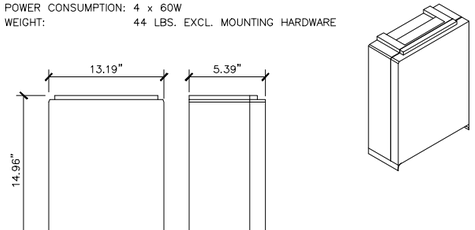
DIMENSIONS, WxDxH: 13.19" x 9.44" x 17.9"
POWER CONSUMPTION: 1440 W
WEIGHT: 71 LBS.



RRU SPECIFICATIONS | 6

ERICSSON RRUS-4415

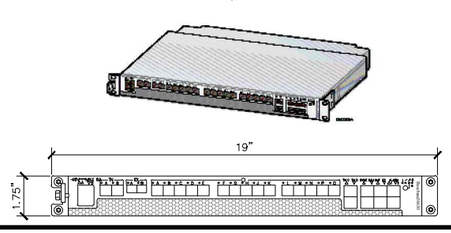
DIMENSIONS, WxDxH: 13.19" x 5.39" x 14.96"
POWER CONSUMPTION: 4 x 60W
WEIGHT: 44 LBS. EXCL. MOUNTING HARDWARE



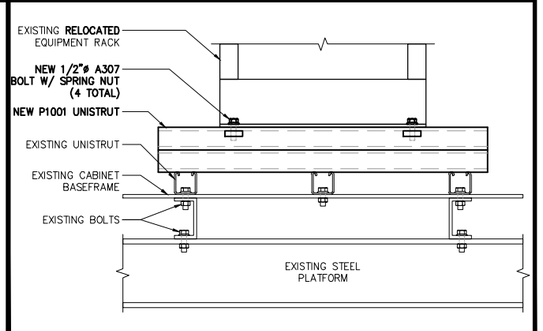
RRU SPECIFICATIONS | 8

ERICSSON BASEBAND - 6630

DIMENSIONS (HxWxD):	44.45x782.6x350 mm (1.75"x19"x13.78")
TEMPERATURE:	0 TO +55°C
RELATIVE HUMIDITY:	5-95%
ABSOLUTE HUMIDITY:	1-29 g/m³



BBU 6630 SPECIFICATIONS | 10



EQUIPMENT ANCHORING | 12

APPLICANT:
The new at&t
1452 EDINGER AVENUE,
3RD FLOOR
TUSTIN, CA 92780

ENGINEER:
Eukon
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TEL: (949) 553-8566
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DRAWN BY:	BW
CHECKED BY:	BW

REVISIONS:

REV	DATE	DESCRIPTION
1	01/17/20	WCS FILTER
0	08/12/19	100% CONSTRUCTION DRAWING

LICENSER:

AGENCY APPROVAL:

OSHPD #:

PROJECT INFORMATION:

SBSB27 (CLU1433)
COTTAGE HOSPITAL
400 W. PUEBLO ST.
SANTA BARBARA, CA 93105

SHEET TITLE:

EQUIPMENT DETAILS

SHEET NUMBER:

A-6

VERTIV NETSURE - 721 DC POWER SYSTEM

SYSTEM FEATURES

SYSTEM VOLTAGE, NOMINAL:	−48 VDC (−42.0 VDC to −58.0 VDC range)
OUTPUT VOLTAGE, SECONDARY:	+24 VDC (+24.0 VDC to +28.0 VDC range)
INPUT VOLTAGE:	Single Phase: 208/240/277 VAC (277 VAC for 3500 W rectifiers only) Three Phase: 208 VAC or 277/480 VAC (277/480 VAC for 3500 W rectifiers only)
CONTROL:	Microprocessor (NCU)

RATED OUTPUT CAPACITY

BAY, RECTIFIER/CONVERTER:	2500 amps (48VDC) and 520 amps (24VDC)
BAY, DISTRIBUTION:	2000 amps (48 VDC) and 520 amps (24 VDC)
RECTIFIER:	3500 W (R48−3500e3 or R48−3500) or 2000 W (R48−2000e3)
SHELF:	438 amps (3500W rectifiers) or 250 amps (2000W rectifiers)
DISTRIBUTION PANEL:	600 amps

PHYSICAL CHARACTERISTICS

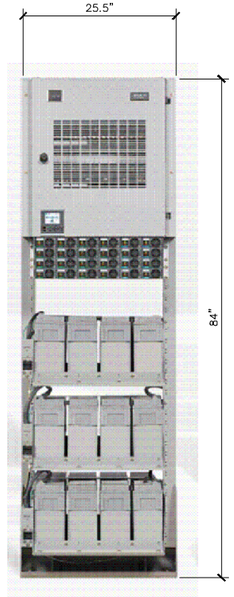
FRAMEWORK TYPE:	Rail−mount (can be mounted in an enclosure or relay rack)
MOUNTING WIDTH:	23 inches
MOUNTING DEPTH:	20 inches, 9 inch front projection
ACCESS:	Front access for installation, operation and maintenance
WEIGHT:	2,348 lbs

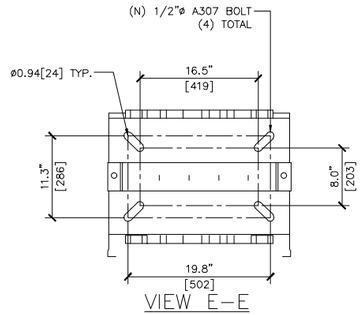
ENVIRONMENTAL

OPERATING TEMPERATURE:	−40 °F to 104 °F (−40 °C to 40 °C) continuous operation
STORAGE:	−40 °F to 185 °F (−40 °C to 85 °C)
HUMIDITY:	0% to 95% relative humidity, non−condensing
VENTILATION:	Rectifiers and converters are fan−cooled front to rear
EMI/RFI SUPPRESSION:	Conforms to FCC rules Part 15, Subpart B, Class B and EN55022 Class B, radiated and conducted
SAFETY COMPLIANCE:	UL Listed 1801, cUL, NEBS Level 3

NOTE:

POWER PLAN NetSure 721 POWER SYSTEM BY VERTIV OR EQUAL APPROVED BY AT&T.





VIEW E−E

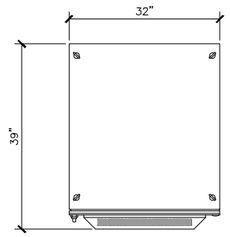
NETXTEND FLEX BATTERY CABINET FOR CELL SITES

TECHNICAL SPECIFICATIONS:

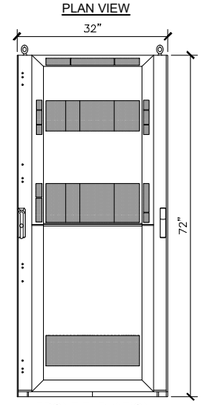
BATTERY SHELVES:	(5) SHELVES (+24V − 12 STRING MAX/ − 48V − 6 STRING MAX)
THERMAL SOLUTION:	FREE AIR VENTED
GROUND BAR	100 POSITIONS
TERMINAL BLOCK	12−PAIR PHOENIX BLOCK

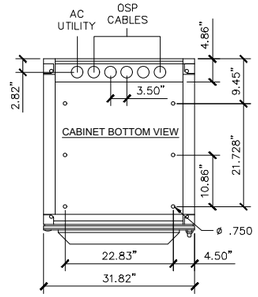
MECHANICAL SPECIFICATIONS:

DIMENSIONS:	72"H x 32"W x 39"D
WEIGHT:	2686 lbs.

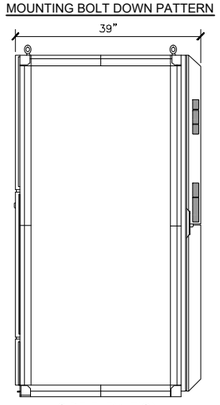


FRONT ELEVATION





MOUNTING BOLT DOWN PATTERN



SIDE ELEVATION

POWER PLANT SPECIFICATIONS | 1

BATTERY CABINET SPECIFICATIONS | 2

COMMSCOPE - TRIPLEXER - CBC7823T-DS-43

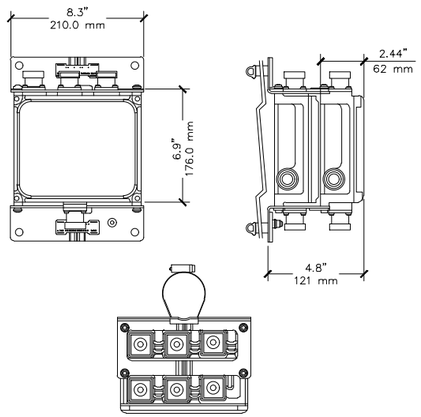
RF CONNECTOR INTERFACE:	7−16 DIN FEMALE
RF CONNECTOR INTERFACE BODY STYLE:	LONG NECK
COLOR:	GRAY
MOUNT TYPE:	POLE / WALL
MOUNTING PIPE DIAMETER:	40−160 mm
MOUNTING PIPE HARDWARE:	BAND CLAMPS (2)
HEIGHT:	176.0 mm / 6.9 in

DIMENSIONS

WIDTH:	210.0 mm / 8.3 in
DEPTH:	121.0 mm /4.8 in
VOLUME:	4.5 L
WEIGHT:	5.9 kg / 13.0 lb

ENVIRONMENTAL SPECIFICATIONS

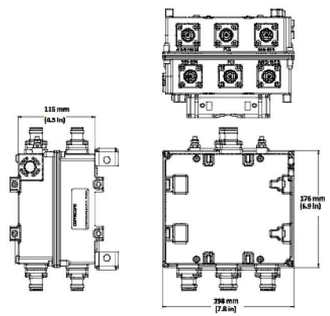
OPERATING TEMPERATURE:	−40 °C TO +65 °C (−40 °F TO +149 °F)
RELATIVE HUMIDITY:	5% − 100%
INGRESS PROTECTION TEST METHOD:	IEC 60529:2001, IP67



TRIPLEXERS SPECIFICATIONS | 3

COMMSCOPE - CBC61923T-DS-43

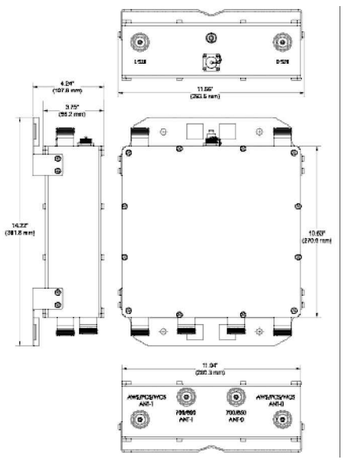
RF CONNECTOR INTERFACE:	4.3−10 DIN FEMALE
RF CONNECTOR INTERFACE BODY STYLE:	LONG NECK
GROUND SCREW DIAMETER:	6.00 mm
COLOR:	GRAY
MOUNT TYPE:	POLE / WALL
MOUNTING PIPE DIAMETER:	40 mm − 160 mm
MOUNTING PIPE HARDWARE:	BAND CLAMS (2)
HEIGHT:	176.0 mm / 6.9 in
WIDTH:	198.0 mm / 7.8 in
DEPTH:	116.0 mm / 4.6 in
VOLUME:	4.0 L
WEIGHT WITHOUT MOUNTING HARDWARE:	6.0 kg / 13.2 lb
MOUNTING HARDWARE WEIGHT:	0.5 kg / 1.1 lb
OPERATING TEMPERATURE:	



TRIPLEXERS SPECIFICATIONS | 4

CCI - TWIN TMA TMABPD7823VG12A

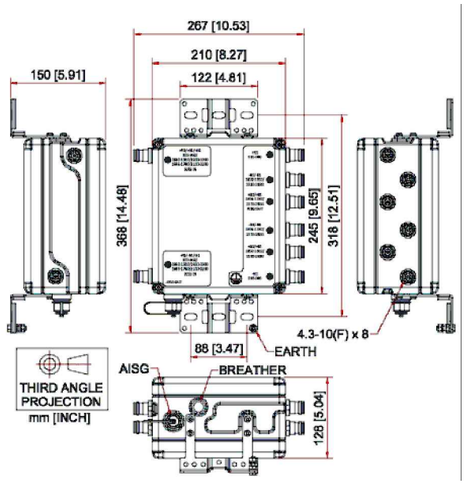
DIMENSIONS (HxDxW)(BODY ONLY):	10.63 × 11.04 × 3.75 INCHES (270.0 × 280.3 × 95.2 mm)
DIMENSIONS (HxDxW)(W/BRACKET):	14.22 × 11.56 × 4.24 INCHES (361.8 × 293.5 × 107.6 mm)
WEIGHT ENCLOSURE:	25.0 LBS (11.3 KG)
WEIGHT (WITHOUT BRACKET):	26.0 LBS (11.8 KG)
OPERATING TEMPERATURE:	−40°C TO +65°



TMA SPECIFICATIONS | 5

KAELUS - TMA2124F03V5-1D

DIMENSIONS (HxDxW):	9.65 × 5.04 × 8.27 INCHES (245 × 128 × 210 mm)
WEIGHT:	17.86lbs (8.1 kg)
FINISH:	PAINTED, LIGHT GRAY (RAL7035)
CONNECTORS:	DIN 4.3−10 (F) X 8 LONG SHANK, AISG (F) X 1
OPERATING TEMPERATURE:	−40°C TO +65°
MOUNTING:	POLE/WALL BRACKET SUPPLIED WITH TWO METAL CLAMPS FOR 45−178 mm DIAMETER POLES



TMA SPECIFICATIONS | 6

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CHECKED BY:	BW

REVISIONS:

REV	DATE	DESCRIPTION
1	01/17/20	WCS FILTER
0	08/12/19	100% CONSTRUCTION DRAWING

LICENSER:

AGENCY APPROVAL:

OSHPD #:

PROJECT INFORMATION:

SBSB27 (CLU1433)
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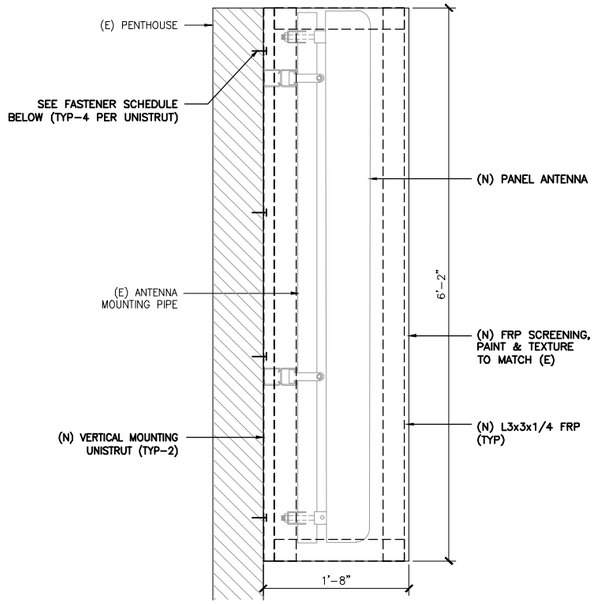
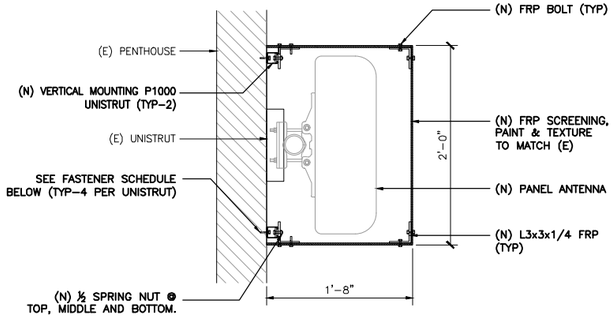
SHEET TITLE:

EQUIPMENT DETAILS

SHEET NUMBER:

A−7





FASTENER SCHEDULE	
ALL OTHER WALL TYPES	1/2"ø A307 THRU BOLT WITH BACKING PLATE
CONCRETE WALL	1/2"ø KB–TZ W/ 3 1/4" EMBEDMENT (ICC ESR–1917)
WOOD STUD	1/2"ø LAG BOLT W/ 3" LONG (INTO BLOCKING)

ANTENNA SCREEN FRAMING DETAIL | 1

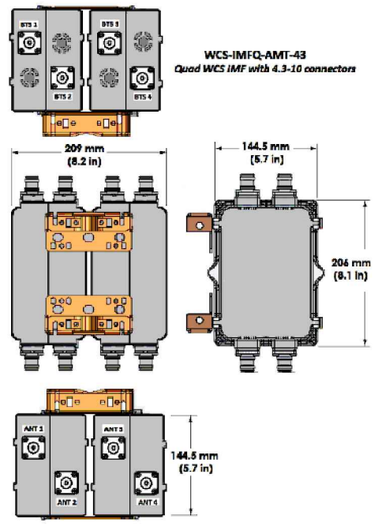
COMMSCOPE - WCS-IMFQ-AMT-43

DIMENSIONS (LxWxD): 8.4in x 8.2in x 5.7in (207mmx206mmx144mm)

WEIGHT: 17.6 lbs / 8.0 kg WITHOUT MOUNTING
20.4 lbs / 9.3 kg WITH MOUNTING

CONNECTORS: 4.3–10 FEMALE

GROUND TERMINAL DIAMETER: 5 mm (0.020 in)



WCS FILTER SPECIFICATIONS | 2

FIBER REINFORCED PLASTIC (FRP):

A. THIS SECTION INCLUDES THE FOLLOWING FRP PRODUCTS AND FABRICATIONS:

1. FRP STRUCTURAL SHAPES
2. FRP GRATINGS AND FRAMES
3. FRP FOAM CORE BUILDING PANELS AND SOLID FRP PANELS

B. FRP WALL PANEL SYSTEMS ARE TO MEET THE FOLLOWING REQUIREMENTS:

1. ALL FRP PRODUCTS TO BE HI TECH COMPOSITE STRUCTURES, IN ACCORDANCE WITH LOS ANGELES CITY RESEARCH REPORT 25520 OR CELL SOLUTIONS PANEL SYSTEM IN ACCORDANCE WITH LOS ANGELES CITY RESEARCH REPORT 25520.

2. PANELS ARE TO MATCH THE EXISTING BUILDING COLOR AND TEXTURE TO THE SATISFACTION OF EUKONGROUP, LEASE OWNER AND LANDLORD (OR OWNER).

3. PANEL SYSTEM MUST BE ABLE TO SPAN BETWEEN SUPPORTS PROVIDED AND RESIST A DESIGN WIND LOAD OF 25 POUNDS PER SQUARE FOOT (OR LARGER) PERPENDICULAR TO THE PANEL SURFACE WITH A MAXIMUM DEFLECTION RATIO OF L/60.

4. ACCEPTABILITY OF THE PANEL RF TRANSPARENCY IS SUBJECT TO THE APPROVAL OF LEASE OWNER.

5. REFER TO PROJECT SPECIFICATION FOR ADDITIONAL REQUIREMENTS.

C. ALL FRP PRODUCTS SPECIFIED IN THESE DESIGN DRAWINGS SHALL BE AS FOLLOWS:

1. STRUCTURAL SHAPES AND PLATE: FIBERGRATE DYNOFORM OR STRONGWELL. ALL STRUCTURAL SHAPES SHALL CONSIST OF A GLASS FIBER REINFORCED POLYESTER OR VINYL ESTER RESIN MATRIX, APPROXIMATELY 50% RESIN TO GLASS RATIO. GLASS STRAND ROVING SHALL BE USED IN THE LONGITUDINAL DIRECTION AND CONTINUOUS STRAND MATS SHALL BE USED FOR TRANSVERSE REINFORCEMENT.

2. FASTENERS: WHERE SPECIFIED AS FRP FASTENERS SHALL BE FIBERGRATE THREADED ROD AND NUTS. TYPICALLY BOLTS WITHIN THE AREA OF THE ANTENNA SIGNAL TO BE FRP. ALL OTHER BOLTS TO BE ASTM A307.

D. ALL FRP PRODUCTS SHALL BE MANUFACTURED USING THE PULTRUDED PROCESS UTILIZING EITHER AN ISOPHTHALIC POLYESTER OR VINYL ESTER RESIN WITH FLAME RETARDANT AND ULTRAVIOLET (UV) INHIBITOR ADDITIVES. A SYNTHETIC SURFACE VEIL SHALL BE THE OUTERMOST LAYER COVERING THE EXTERIOR SURFACE.

E. THE CONTRACTOR IS TO FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO INSTALL THE FRP PRODUCTS AS SPECIFIED HEREIN.

F. SHOP DRAWINGS ARE NOT AUTOMATICALLY REQUIRED FOR APPROVAL BY THE ENGINEER OF RECORD UNLESS SPECIFICALLY NOTED AS REQUIRED. THIS DOES NOT PRECLUDE THAT OTHERS, SUCH AS THE CLIENT OR CONSTRUCTION MANAGEMENT MAY REQUIRE SOME FORM OF SHOP DRAWINGS.

1. DIMENSIONS
2. ERECTION INSTRUCTIONS AND SECTIONAL ASSEMBLIES
3. LOCATION AND IDENTIFICATION MARKS
4. SIZE AND TYPE OF SHORING OR TEMPORARY SUPPORT FRAMING
5. MATERIAL SPECIFICATIONS AND SUPPORTING DATA AS NECESSARY

G. CONTRACTOR MAY BE REQUIRED TO SUBMIT SAMPLES OF SPECIFIC PRODUCTS FOR APPROVAL PRIOR TO INSTALLATION AND PLACEMENT OF PURCHASE ORDERS.

H. ALL CUT ENDS, HOLES AND ABRASIONS OF FRP SHAPES AND MEMBERS SHALL BE SEALED WITH A COMPATIBLE RESIN COATING TO PREVENT INTRUSION OF MOISTURE AND PREMATURE FRAYING.

I. FRP CONNECTION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

1. FOAM CORE PANEL CONNECTIONS: PANELS SHALL BE DESIGNED FOR TONGUE–IN–GROOVE JOINT CONNECTIONS ON TWO PARALLEL SIDES PER PANEL. PANELS CAN BE FASTENED TO THE STRUCTURE WITH A COMPATIBLE EPOXY ADHESIVE AND/OR STAINLESS STEEL OR FIBERGLASS FASTENERS AS APPROPRIATE.

2. STRUCTURAL MEMBER CONNECTIONS:

I. ALL FIBERGLASS NUTS AND STUDS ARE TO BE LUBRICATED WITH EITHER A LIGHT OIL, DRY LUBRICANT OR SILCONE SPRAY.

II. ALL CONNECTIONS TO BE TORQUED TO THE FOLLOWING REQUIREMENTS:

3/8" BOLT ----- 4 FT–LBS
1/2" BOLT ----- 8 FT–LBS
5/8" BOLT ----- 16 FT–LBS
3/4" BOLT ----- 24 FT–LBS
1" BOLT ----- 50 FT–LBS

III. ALL BOLTS TO BE TORQUED USING A CALIBRATED TORQUE WRENCH.

IV. FIBERGLASS STUD/NUT ASSEMBLIES SHALL BE BONDED TO INSURE THAT THE NUTS DO NOT LOOSEN. THIS CAN BE ACCOMPLISHED BY APPLYING A THICK LAYER OF ADHESIVE OR RESIN TO OVER THE EXPOSED ASSEMBLY.

V. STRUCTURAL CONNECTION UNLESS OTHERWISE NOTED IN THE DESIGN DRAWINGS RELY ON A COMBINATION OF BOLT BEARING AND ADHESIVE BONDING. EXPOXY ADHESIVES RECOMMENDED FOR CONNECTIONS ARE SHELL 828 EPOXY RESIN, DOW D.E.R. 331 EPOXY RESIN OR FIBERGRATE EPOXY ADHESIVE. SAND MATING SURFACES WITH 120 GRIT SANDPAPER TO REMOVE POLYESTER SURFACING VEIL AND CLEAN JOINING SURFACES WITH A COMPATIBLE SOLVENT PRIOR TO BONDING. JOINTS SHOULD BE PROPERLY CLAMPED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND HELD IN POSITION FOR AT LEAST 48 HOURS (AT 70 DEGREES, REFER TO MANUFACTURER TO OTHER TEMPERATURES) BEFORE DESIGN LOAD CAN BE APPLIED.

VI. MINIMUM EDGE DISTANCE OF FASTENERS TO THE SIDE OF MEMBER SHALL BE ONE AND A HALF DIAMETERS AND TWO DIAMETERS TO THE MEMBER END (OR MINIMUM OF 1.5"). MINIMUM BOLT SPACING TO BE FOUR DIAMETERS.

J. PROCEDURE FOR MAKING STRUCTURAL EPOXY JOINTS:

I MATERIALS USED:
EPOXY ADHESIVE BASE
EPOXY ADHESIVE HARDENER
SMALL WAX COATED PAPER CUP FOR MIXING
CLEAN WOODEN OR FRP STICK FOR MIXING
120 GRIT SANDPAPER
CLAMPS FOR HOLDING EPOXY JOINTS DURING CURE
CLEAN CLOTH

II SURFACE PREPARATION
1. SAND MATING SURFACES WITH 120 GRIT SANDPAPER UNTIL THE SURFACE GLOSS HAS BEEN REMOVED. THE SURFACING VEIL MUST BE GROUND OFF TO EXPOSE THE GLASS REINFORCEMENT. SAND BLASTING EQUIPMENT CAN ALSO BE USED.
2. REMOVE ALL DUST WITH A CLEAN CLOTH; AIR BLASTING EQUIPMENT MAY ALSO BE USED. AVOID RECONTAMINATION OF THE SURFACE FROM HANDLING.

III MIXING OF EPOXY
MIX EQUAL VOLUME PORTIONS OF THE BASE AND HARDENER IN A SMALL WAX COATED PAPER CUP WITH A CLEAN STICK UNTIL A UNIFORM GRAY COLOR IS ATTAINED AND ALL MARBLED APPEARANCE IS GONE.

NOTE: OTHER ADHESIVE SYSTEMS COMPATIBLE WITH FIBERGLASS CAN BE UTILIZED AND THE MANUFACTURER'S MIXING INSTRUCTIONS FOR THESE SYSTEMS SHOULD BE FOLLOWED.

IV APPLICATION AND CURE
1. APPLY THE MIXED EPOXY UNIFORMLY TO ALL SURFACES TO BE JOINED. A THIN APPLICATION IS OFTEN MORE BENEFICIAL THAN A THICK APPLICATION.
2. AVOID INTRODUCING MOISTURE INTO THE JOINT.
3. JOIN THE SURFACE TO BE BONDED. THE POT LIFE AT 77°F FOR A 3 OZ. MIXTURE OF EQUAL VOLUMES OF BASE AND HARDENER IS 2.5 HOURS.
4. SECURE THE JOINT WITH CLAMPS (OR RIVETS OR BOLTS) AND ALLOW 24 HOURS FOR A FULL CURE. THE ASSEMBLY CAN OFTEN BE HANDLED WITH REASONABLE CARE IN LESS THAN 8 HOURS. THE STRUCTURE SHOULD NOT BE REQUIRED TO SUPPORT ITS DESIGN LOAD UNTIL AT LEAST 48 HOURS (AT 70°F) AFTER BONDING. LOWER TEMPERATURES REQUIRE A LONGER CURE.
5. AFTER SECURING THE JOINT, WIPE AWAY EXCESS POXY.

FRP NOTES | 3

NOT USED | 4

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DRAWN BY:	BW
CHECKED BY:	BW

REVISIONS:

REV	DATE	DESCRIPTION
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LICENSER:

AGENCY APPROVAL:

OSHPD #:

PROJECT INFORMATION:

SBSB27 (CLU1433)
COTTAGE HOSPITAL
400 W. PUEBLO ST.
SANTA BARBARA, CA 93105

SHEET TITLE:

EQUIPMENT DETAILS

SHEET NUMBER:

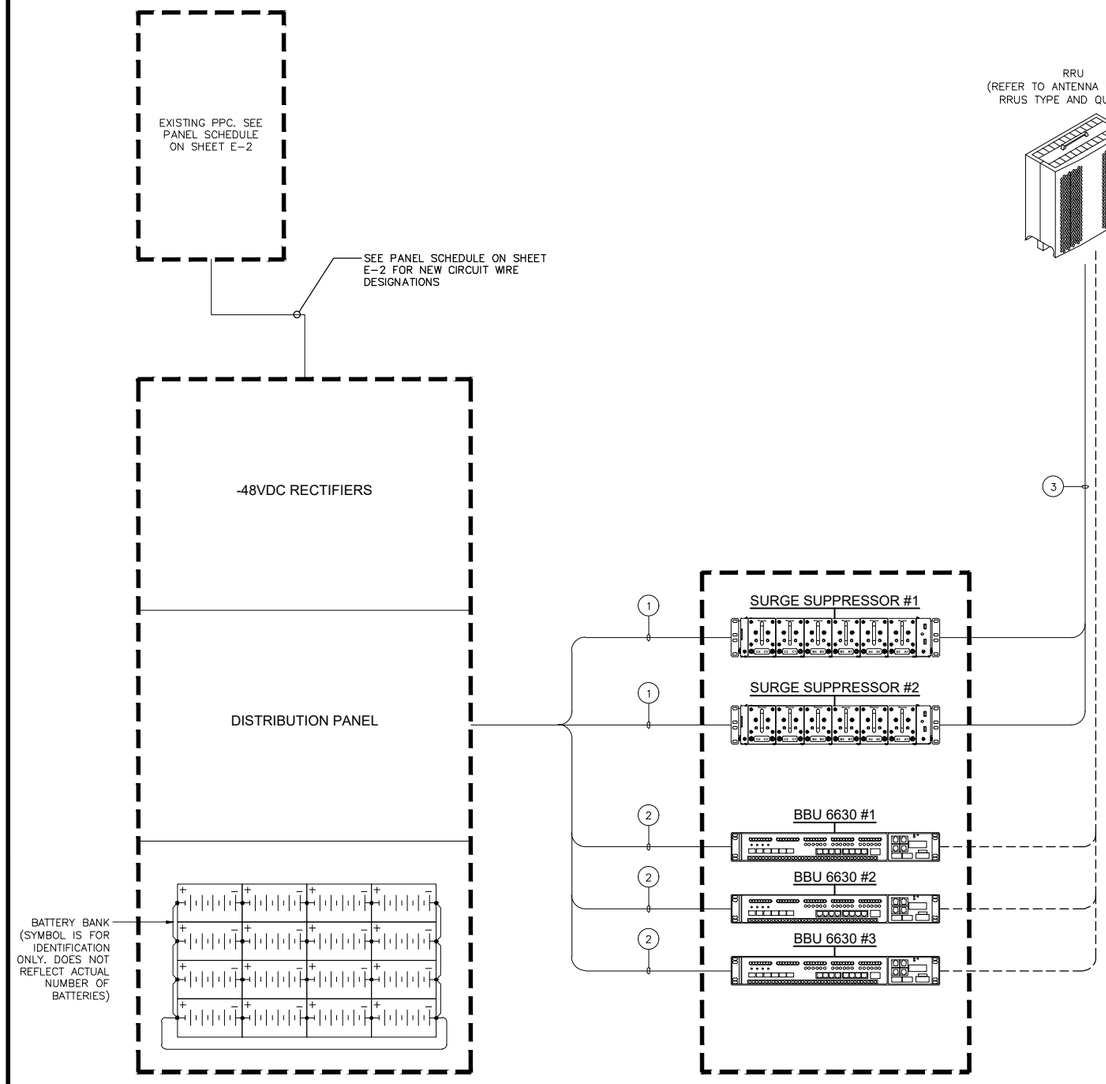
A–8

NOTES:

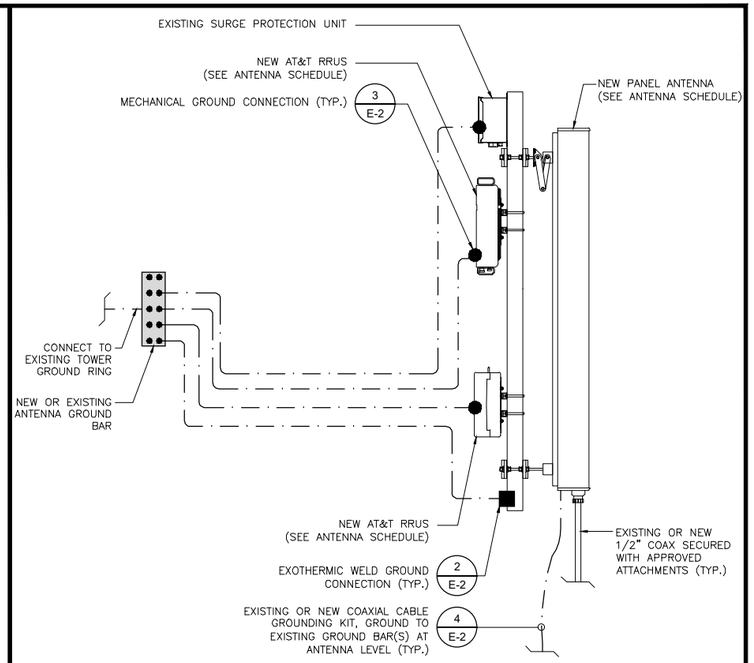
1. DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING +24V AND −48V CONDUCTORS. RED MARKINGS SHALL IDENTIFY +24V AND BLUE MARKINGS SHALL IDENTIFY −48V. REFER TO ATT−002−290−701.

2. LTE POWER WIRING SHALL BE IN ACCORDANCE WITH ATT−002−290−531.

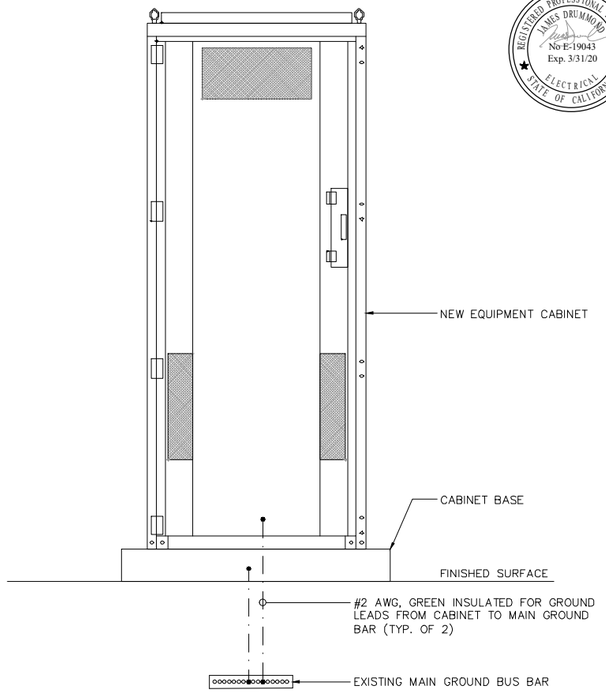
DC CIRCUIT SCHEDULE			
NO.	FROM	TO	CONFIGURATION
1	−48VDC DISTRIBUTION PANEL (15A BREAKER)	LTE PURCELL CABINET FUSE BLOCK	(2) #10 TELCOFLEX III DC CABLE
2	−48VDC DISTRIBUTION PANEL (25A/30A BREAKER)	RAYCAP SURGE PROTECTION DC12−48−60−RM	(1) 6−#8 THHN/THWN−VW−1 TYPE TC−ER DC CABLE
3	RAYCAP SURGE PROTECTION DC12−48−60−RM	RRUS	(1) 2−#10 THHN/THWN−VW−1 TYPE TC−ER DC CABLE



ELECTRICAL DC POWER DIAGRAM | 1



EQUIPMENT & ANTENNA GROUNDING | 2



CABINET GROUNDING | 3

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DRAWN BY:	BW
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OSHPD #:

PROJECT INFORMATION:

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400 W. PUEBLO ST.
SANTA BARBARA, CA 93105

SHEET TITLE:

DC POWER DIAGRAM / EQUIPMENT & ANTENNA GROUNDING

SHEET NUMBER:

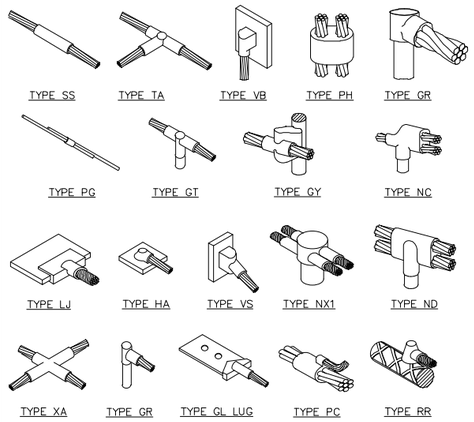
E-1

GROUNDING NOTES

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMTNS AND CONSTRUCTION ACCORDING TO SITE CONDITIONS.
2. ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
3. GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
4. ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: EXOTHERMIC WELD TYPE.
5. GROUND RING SHALL BE LOCATED A MINIMUM OF 24" BELOW GRADE OR 6" MINIMUM BELOW THE FROST LINE.
6. INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
7. EXOTHERMIC WELD GROUND CONNECTION TO FENCE POST: TREAT WITH A COLD GALVANIZED SPRAY.
8. GROUND BARS: AN EQUIPMENT GROUND BUS BAR (EGB) LOCATED AT BOTTOM OF ANTENNA POLE/MAST FOR MAKING GROUNDING JUMPER CONNECTIONS TO COAX FEEDER CABLES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. JUMPERS (FURNISHED BY OWNERS) SHALL BE INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR. MAIN GROUND BUS BAR (MGB) LOCATED NEAR THE BASE OF THE RADIO EQUIPMENT CABINET(S) SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
9. ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
10. OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE GROUNDING.
11. GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS OR AT GROUNDING POINTS PROVIDED (2 MINIMUM).
12. IF EQUIPMENT IS IN A C.L. FENCE ENCLOSURE, GROUND ONLY CORNER POSTS AND SUPPORT POSTS OG GATE. IF CHAIN LINK LID IS USED, THEN GROUND LID ALSO.
13. GROUNDING @ PPC CABINET SHALL BE VERTICALLY INSTALLED.
14. ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED SO THAT IT WILL BY-PASS MAIN BUS BAR.
15. ALL EMT RUNS SHALL BE GROUNDED AND HAVE BUSHING. NO PVC ABOVE GROUND.
16. USE SEPARATE HOLES FOR GROUNDING @ BUS BAR. NO "DOUBLING-UP"OF LUGS.
17. POWER AND TELCO CABS, SHALL BE GROUNDED (BONDED) TOGETHER.
18. NO "LB'S" ALLOWED ON GROUNDING RUNS.

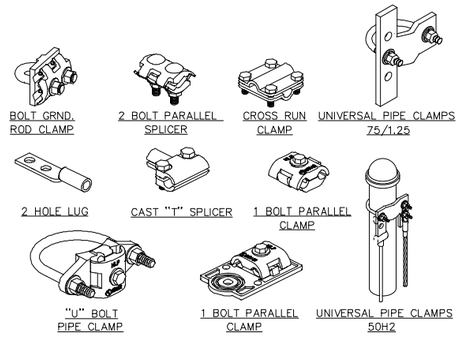
1

EXOTHERMIC WELD CONNECTION



2

MECHANICAL CONNECTION

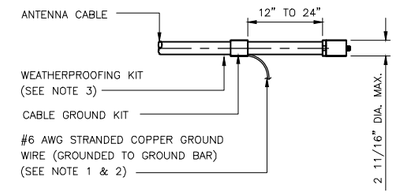


3

CONNECTION OF CABLE GND. KIT TO ANT.

NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE (TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.)

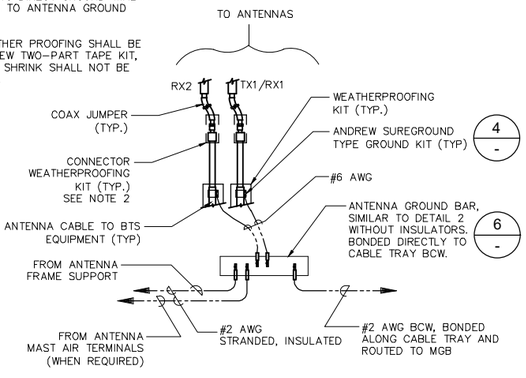


4

GND. CONNECTION OF GND. WIRE TO GND. BAR

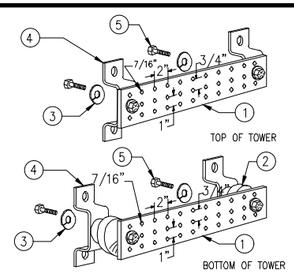
NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE ANDREW TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.



5

TYPICAL GROUND BAR

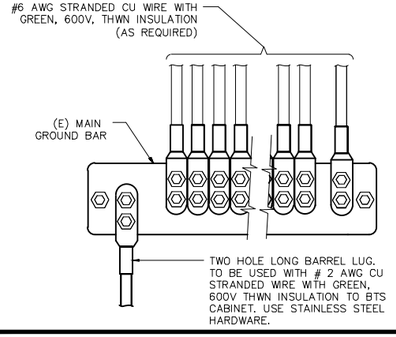


LEGEND

1. COPPER GROUND BAR, 1/4"X 4"X 10", NEWTON INSTRUMENT CO. CAT. NO. B-6142 OR EQUAL. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION. (ACTUAL GROUND BAR SIZE WILL VARY BASED ON NUMBER OF GROUND CONNECTIONS)
2. INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4 OR EQUAL
3. 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8 OR EQUAL
4. WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT NO. A-6056 OR EQUAL
5. 5/8-11 X 1" HHCS BOLTS, NEWTON INSTRUMENT CO. CAT NO. 3012-1 OR EQUAL
6. INSULATORS SHALL BE ELIMINATED WHEN BONDING DIRECTLY TO TOWER/MONOPOLE STRUCTURE. CONNECTION TO TOWER/MONOPOLE STRUCTURE SHALL BE PER MANUFACTURERS RECOMMENDATIONS.

7

GROUNDING BAR DETAIL



6

NOT USED

8

NEW BREAKER SCHEDULE AT EXISTING AC DISTRIBUTION PANEL

MAIN AC DISTRIBUTION PANEL

MOUNTING: SURFACE — DOUBLE LUG: NO — VOLTS 120|240 — PHASE 1 — WIRE 3 — MAIN 200A/2P — BUS 200A — A.I.C. 42K SERIES W/ MAIN

WIRE SIZE	LOCATION	A	B	LCL	CONV	KIT	RECP	MISC	BKR	CIRC	A/B	CIRC	BKR	MISC	RECP	KIT	CONV	LCL	A	B	LOCATION	WIRE SIZE
	(E) SUN WEST CABINET	6640						1	150/2	1	A	2	30/2	1					1650		(N) RECTIFIERS 7,8	10
			6640					1	-	3	B	4	-	1						1650		
10	(N) RECTIFIERS 1,2	1650						1	30/2	5	A	6	30/2	1					1650		(N) RECTIFIERS 9,10	10
			1650					1	-	7	B	8	-	1						1650		
10	(N) RECTIFIERS 3,4	1650						1	30/2	9	A	10	30/2	1					825		(N) RECTIFIER 11,12	10
			1650					1	-	11	B	12	-	1						825		
10	(N) RECTIFIERS 5,6	1650						1	30/2	13	A	14	20/1		1				180		(N) GFI	10
			1650					1	-	15	B	16	20/1									
									-	17	A	18	-									
									-	19	B	20	-									
									-	21	A	22	-									
									-	23	B	24	-									
		A= 15895																		B= 15715		
		W/LCL A= 15895																		W/LCL B= 15715		

TOTAL VA= 31610 W/LCL=31610 W/LCL AMPS= **132** TOTAL LCL= 0 X .25 = 0

HIGH PHASE VA= 15895 W/LCL=15895 HIGH PH AMPS= **132** HIGH PHASE LCL= 0 X .25 = 0

9

REGISTERED PROFESSIONAL ENGINEER — JAMES DRUMMOND — No E-19043 Exp. 3/31/20 — ELECTRICAL — STATE OF CALIFORNIA

APPLICANT:

The new at&t

1452 EDINGER AVENUE,
3RD FLOOR
TUSTIN, CA 92780

ENGINEER:

Eukon
an SFC Communications, Inc. Company
65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

DRAWN BY:	BW
CHECKED BY:	BW

REVISIONS:

REV	DATE	DESCRIPTION
1	01/17/20	WCS FILTER
0	08/12/19	100% CONSTRUCTION DRAWING

LICENSER:

AGENCY APPROVAL:

OSHPD #:

PROJECT INFORMATION:

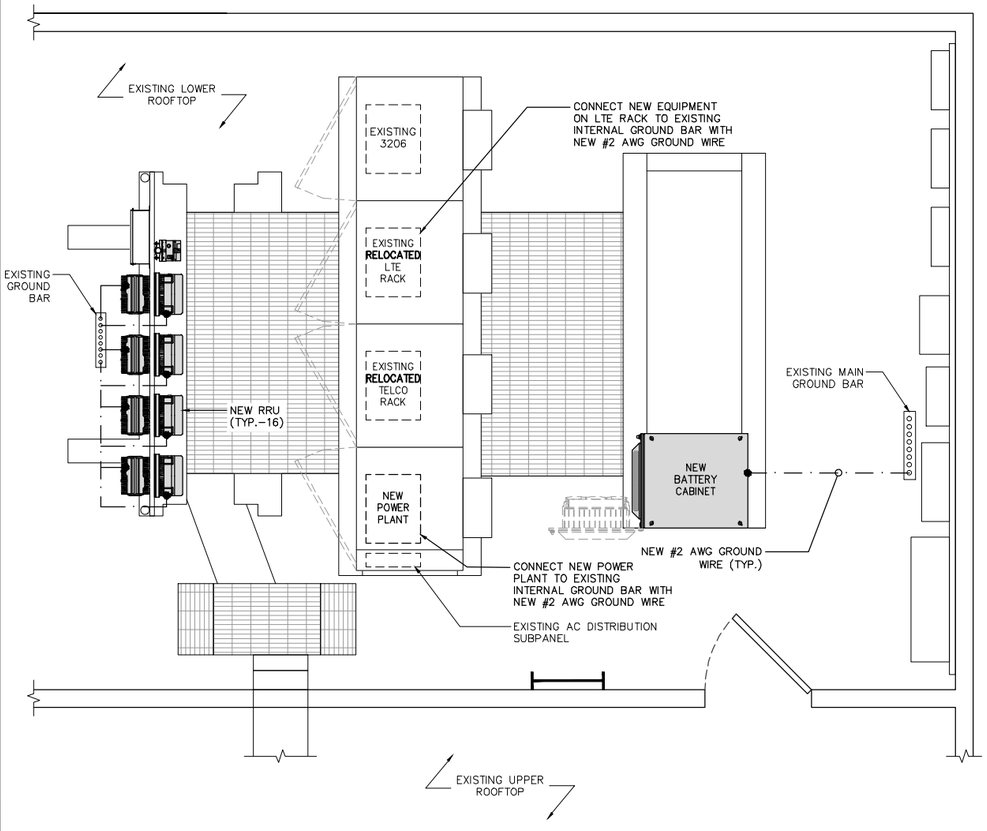
SBSB27 (CLU1433)
COTTAGE HOSPITAL
400 W. PUEBLO ST.
SANTA BARBARA, CA 93105

SHEET TITLE:

GROUNDING DETAILS / PANEL SCHEDULE

SHEET NUMBER:

E-2

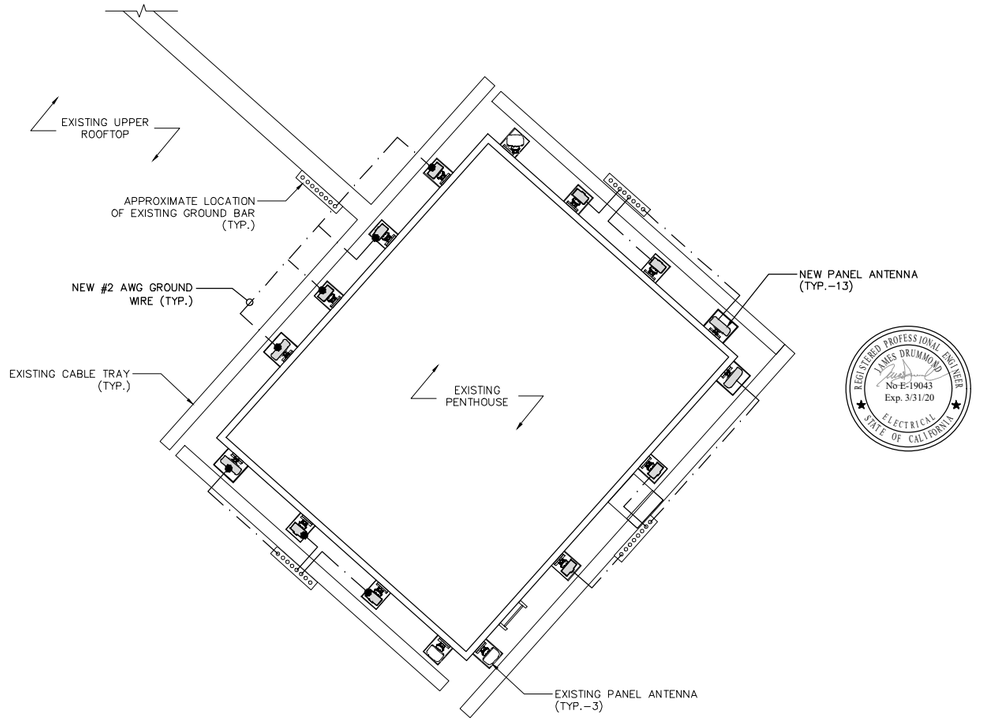


EQUIPMENT GROUNDING PLAN

SCALE 1/2"=1'-0"

2' 0 1' 2' 4' 8'

1



ANTENNA GROUNDING PLAN

SCALE 3/16"=1'-0"

4' 0 2' 4' 8' 16'

2

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JAMES DRUMMOND
No. E-19043
Exp. 3/31/20
ELECTRICAL
STATE OF CALIFORNIA

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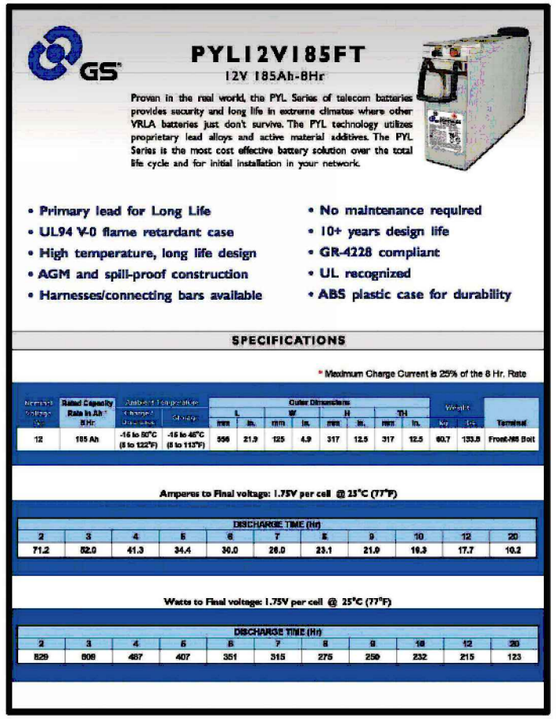
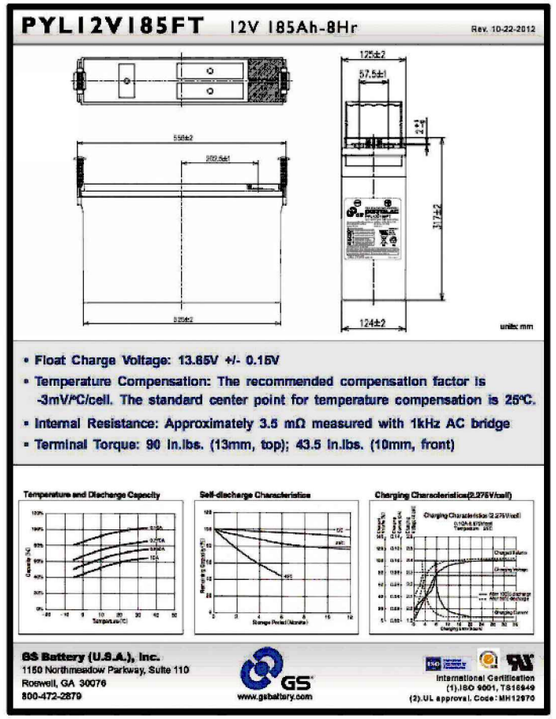
SHEET TITLE:

GROUNDING PLANS

SHEET NUMBER:

E-3





FIRE DEPARTMENT NOTES

GENERAL

1.0 ADDRESS NUMBERS:

A. APPROVED ADDRESS NUMBERS, BUILDING NUMBERS OR APPROVED BUILDING IDENTIFICATION SHALL BE PLACED IN A POSITION THAT PLAINLY LEGIBLE AND VISIBLE FROM THE STREET, ROAD, ALLEY, AND WALKWAYS GIVING ACCESS TO AND WITHIN THE PROPERTY.

2.0 FIRE EXTINGUISHERS:

A. PROVIDE A FIRE EXTINGUISHER (MINIMUM 2A–10BC) WITHIN A RECESSED OR SEMI–RECESSED CABINET WITHIN 75 FEET TRAVEL DISTANCE FROM ALL POINTS IN THE OCCUPANCY; THE EXTINGUISHER SHALL BE MOUNTED ON A HOOK WITHIN THE CABINET (ELEVATED OFF CABINET FLOOR); THE TOP OF THE EXTINGUISHER SHALL BE NO HIGHER THAN 48 INCHES (1219 mm) ABOVE THE FLOOR; EXTINGUISHER SHALL BE PLACED IN A EASILY ACCESSIBLE LOCATIONS WHERE THEY WILL BE READILY ACCESSIBLE AND IMMEDIATELY AVAILABLE FOR USE.

3.0 DOOR OPERATIONS:

A. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT KEY, SPECIAL KNOWLEDGE, OR EFFORT. THE UNLATCHING OF ANY EXIT DOOR SHALL NOT REQUIRE MORE THAN ONE OPERATION.

4.0 ADDITIONAL PERMIT:

A. PRIOR TO THE FINAL INSPECTION, OBTAIN A HAZARDOUS MATERIALS PERMIT FROM THE FIRE DEPARTMENT. CONTACT THE ENVIROMENTAL MANAGEMENT CENTER AT (916) 455–8200

5.0 REQUIRED INSPECTIONS:

A. THE FIRE DEPARTMENT INSPECTION FOR THIS PROJECT INCLUDE THE FOLLOWING:

1. HAZARDOUS MATERIALS FINAL INSPECTION.
2. FIRE PREVENTION BUREAU FINAL INSPECTION – CONTRACTOR MUST REQUEST A SEPERATE INSPECTION. INSPECTION INCLUDES, BUT IS NOT LIMITED TO: FIRE EXTINGUISHERS; SIGNAGE; DOOR HARDWARE AND MEANS OF EGRESS; EMERGENCY/EXIT LIGHTING; ETC.

NOTE: TO SCHEDULE INSPECTIONS: CALL OFFICE OF STATE FIRE MARSHALL AT (916–445–8200) AT LEAST 48 HOURS IN ADVANCE.

NOTES

1. PER CFC 2016 SECTION 608 "STATIONARY STORAGE BATTERY SYSTEMS HAVING CAPACITIES EXCEEDING THE VALUES SHOWN IN TABLE 608.1 SHALL COMPLY WITH SECTIONS 608.1.2 THROUGH 608.6.6, AS APPLICABLE". SINCE THE TOTAL CAPACITY OF THE LEAD–ACID–TYPE BATTERY SYSTEM IS LESS THAN 70kWh THIS MODIFICATION IS EXEMPT FROM CFC 2016 SECTION 608. CAPACITY CALCULATION:

   (24 BATTERIES x 180Ah x 12V) / 1000 = 51.84kWh

2. DEFINITIONS PER CFC 2016 SECTION 602:

   LEAD ACID BATTERY:
   A STORAGE BATTERY THAT IS COMPRISED OF LEAD ELECTRODES IMMERSED IN SULPHURIC ACID ELECTROLYTE.

   CORROSIVE:
   A CHEMICAL THAT CAUSES VISIBLE DESTRUCTION OF, OR IRREVERSIBLE ALTERATIONS IN, LIVING TISSUE BY CHEMICAL ACTION AT THE POINT OF CONTACT. A CHEMICAL SHALL BE CONSIDERED CORROSIVE IF, WHEN TESTED ON THE INTACT SKIN OF ALBINO RABBITS BY THE METHOD DESCRIBED IN DOTN 49 CFR 173.137, SUCH CHEMICAL DESTROYS OR CHANGES IRREVERSIBLY THE STRUCTURE OF THE TISSUE AT THE POINT OF CONTACT FOLLOWING AN EXPOSURE PERIOD OF 4 HOURS. THIS TERM DOES NOT REFER TO ACTION ON INANIMATE SURFACES.

   HAZARDOUS MATERIALS:
   THOSE CHEMICALS OR SUBSTANCES WHICH ARE PHYSICAL HAZARDS OR HEALTH HAZARDS AS DEFINED AND CLASSIFIED IN THIS CHAPTER, WHETHER THE MATERIALS ARE IN USABLE OR WASTE CONDITION.

   HEALTH HAZARD:
   A CLASSIFICATION OF A CHEMICAL FOR WHICH THERE IS STATISTICALLY SIGNIFICANT EVIDENCE THAT ACUTE OR CHRONIC HEALTH EFFECTS ARE CAPABLE OF OCCURRING IN EXPOSED PERSONS. THE TERM "HEALTH HAZARD" INCLUDES CHEMICALS THAT ARE TOXIC, HIGHLY TOXIC AND CORROSIVE.

   PHYSICAL HAZARD:
   A CHEMICAL FOR WHICH THERE IS EVIDENCE THAT IT IS A COMBUSTIBLE LIQUID, CRYOGENIC FLUID, EXPLOSIVE, FLAMMABLE (SOLID, LIQUID OR GAS), ORGANIC PEROXIDE (SOLID OR LIQUID), OXIDIZER (SOLID OR LIQUID), OXIDIZING GAS, PYROPHORIC (SOLID, LIQUID OR GAS), UNSTABLE (REACTIVE) MATERIAL (SOLID, LIQUID OR GAS) OR WATER–REACTIVE MATERIAL (SOLID OR LIQUID).

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SANTA BARBARA, CA 93105

SHEET TITLE:

BATTERY INFORMATION

SHEET NUMBER:

FD-1